TOSHIBA

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DVD VIDEO / CD / VCD
5 DISC CAROUSEL CHANGER

SD-5915SU
SD-5915SC

OWNER'S MANUAL

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SAFETY PRECAUTIONS

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USERSERVICEABLE PARTS INSIDES. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The symbol for CLASS II (Double Insulation)

WARNING: **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

CAUTION: **TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.**

ATTENTION: **POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.**

CAUTION: This Digital Video Disc Player employs a Laser System.
To ensure proper use of this product, please read this owner’s manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user’s authority to operate the equipment.

The instructions shall state that an ALL-POLE MAINS SWITCH with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

In the spaces provided below, record the Model and Serial No. located on the rear panel of your DVD video player.

Model No. _____ Serial No. _____

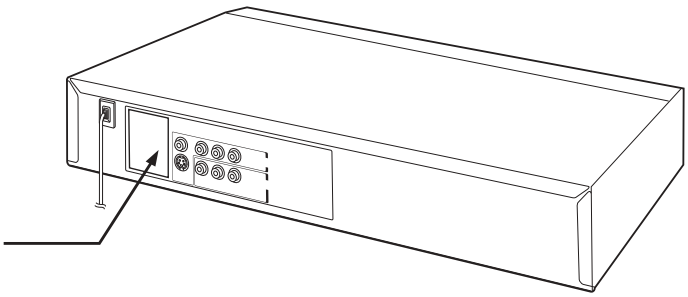
Retain this information for future reference.

Location of the required label

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU,
TOKYO 105-8001, JAPAN
MADE IN CHINA

MANUFACTURED

SERIAL NO.



Be aware that this equipment is still powered even after the ON/STANDBY indicator turns off (standby mode) by pressing the ON/STANDBY button. To disconnect this equipment completely from the mains power, pull out the power plug from the wall outlet.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defect the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INSTRUCTIONS

15. When you use headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

16. Do not overload wall outlets; extension cords, or integral conveniences receptacles as this can result in a risk of fire or electric shock.

17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

18. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.

19. Do not place a heavy object on or step on the apparatus. The object may fall, causing serious personal injury and serious damage to the apparatus.

20. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.

21. If the apparatus should smoke or smell, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.

22. While it is thundering, do not touch the connecting cables or the apparatus.

23. The apparatus includes lead, an ingredient of solder used on the PCB, which is a harmful substance to human and the environment. When disposing of this apparatus, follow the rules and regulations in your area.

Precautions

Notes on handling

- When shipping the DVD video player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory. Take care not to give it a shock or shake when carrying.
- Do not use volatile liquids, such as insect spray, near the DVD video player. Do not leave rubber or plastic products in contact with the DVD video player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD video player may be become warm after a long period of use. This is not a malfunction.
- When the DVD video player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the DVD video player for a long future. Turn on and use the DVD video player occasionally.

Notes on locating

- Place the DVD video player on a level surface. Do not use it on a shaky or unstable surface such as a wobbling table or inclined stand. The loaded disc may come off the proper position and cause damage to the DVD video player.
- When you place this DVD video player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the DVD video player away from the TV, radio, or VCR.

Notes on cleaning

Use a soft, dry cloth for cleaning.

- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry.

  Do not use any type of solvent, such as thinner and benzine, as they may damage the surface of the DVD video player.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

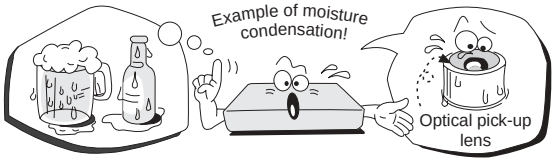
To obtain a clear picture

The DVD video player is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

Notes on moisture condensation

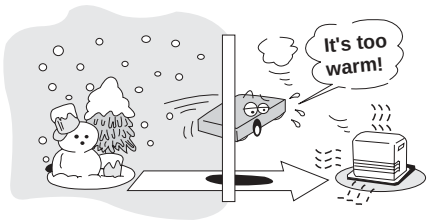
Moisture condensation damages the DVD video player. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD video player.



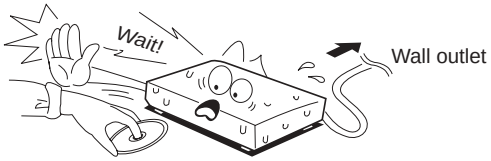
■ **Moisture condensation occurs during the following cases.**

- When you bring the DVD video player directly from a cold place to a warm place.
- When you use the DVD video player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In Summer, when you use the DVD video player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the DVD video player in a humid place.



■ **Do not use the DVD video player when moisture condensation may occurs.**

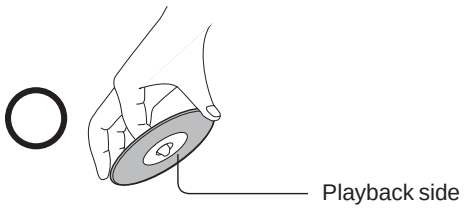
If you use the DVD video player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the DVD video player to the wall outlet, turn on the DVD video player, and leave it for two or three hours. After two or three hours, the DVD video player will have warmed up and evaporated any moisture. Keep the DVD video player connected to the wall outlet and moisture condensation will seldom occur.



Notes on Discs

On handling discs

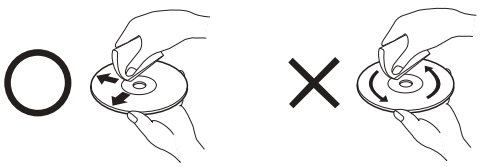
- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.

On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft clothe and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

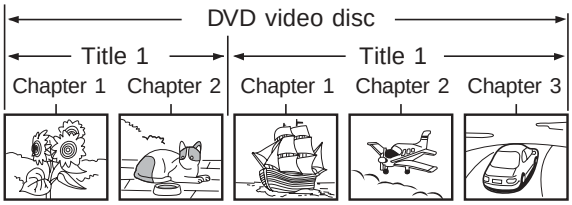
On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in place subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

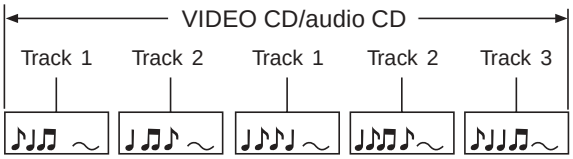
Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. VIDEO CDs and audio CDs are divided into tracks.

DVD video disc



VIDEO CD/audio CD



Each title, chapter or track is assigned a number, which is called “title number”, “chapter number” or “track number” respectively.

There may be discs that do not have these numbers.

Notes on copyright

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission.

DVD video discs are copy protected, and any recordings made from these discs will be distorted.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.

Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Notes on Discs (continued)

About this owner's manual

This owner's manual explains the basic instructions of this DVD video player. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD video player may not respond to all operating commands. This is not a defect in the DVD video player. Refer to instruction notes of discs.

"⃠" may appear on the TV screen during operation.

A "⃠" means that the operation is not permitted by the DVD video player or the disc.

Notes on region numbers

The region number of this DVD video player is 1. If region numbers, which stand for their playable area, are printed on your DVD video disc and you do not find or , disc playback will not be allowed by the player. (In this case, the DVD video player will display a message on-screen.)

On VIDEO CDs

This DVD video player supports VIDEO CDs equipped with the PBC (Version 2.0) function. (PBC is the abbreviation of Playback Control.) You can enjoy two playback variations depending on types of discs.

- **VIDEO CD not equipped with PBC function (Version 1.1)**

  Sound and movie can be played on this DVD video player in the same way as an audio CD.

- **VIDEO CD equipped with PBC function (Version 2.0)**

  In addition to operation of a VIDEO CD not equipped with the PBC function, you can enjoy playback of interactive software with search function by using the menu displayed on the TV screen (Menu Playback). Some of functions described in this owner's manual may not work with some discs.

Playable discs

This DVD video player can play the following discs.

	Disc Mark	Contents	Disc Size	Maximum playback time
DVD video discs		Audio + video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
			8 cm	Approx. 80 minutes (single sided disc)
				Approx. 160 minutes (double sided disc)
VIDEO CDs		Audio + video (moving pictures)	12 cm	Approx. 74 minutes
			8 cm	Approx. 20 minutes
Audio CDs		Audio	12 cm	Approx. 74 minutes
			8 cm (CD simple)	Approx. 20 minutes

The following discs are also available.

- DVD-R discs of DVD video format.
- CD-R/CD-RW discs of CD-DA format.

Some of these discs may be incompatible.

- You cannot play discs other than those listed above.
- You cannot play DVD-RAM discs or non-standardized discs, etc., even if they may be labeled as above.
- This DVD video player uses the NTSC color system, and is not suitable to play DVD video discs recorded in any other color system (PAL, SECAM, etc.).

Because of problems and errors that can occur during the creation of DVD software and/or the manufacture of DVD discs, Toshiba America Consumer Products, L.L.C., Toshiba Hawaii, Inc. and Toshiba of Canada, Ltd. cannot guarantee that this player will play every feature of every DVD bearing the DVD logo. As one of the creators of DVD technology, Toshiba DVD players are manufactured to the highest standards of quality and, as a result, such incompatibilities are very rare. If you happen to experience and difficulty playing a DVD on a Toshiba DVD player, please feel free to call our Contact listed in "How to Obtain Warranty Services" 51 .

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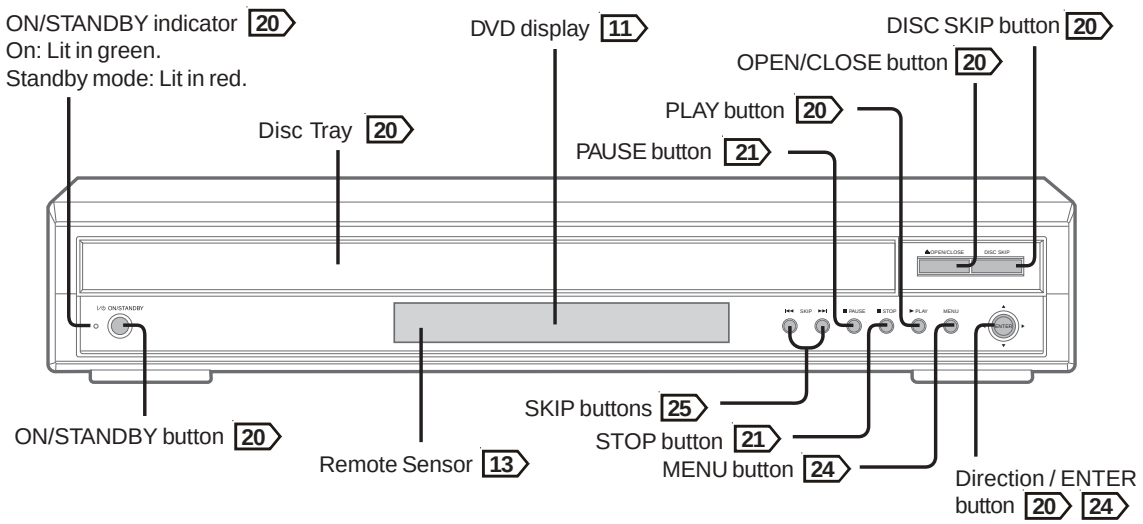
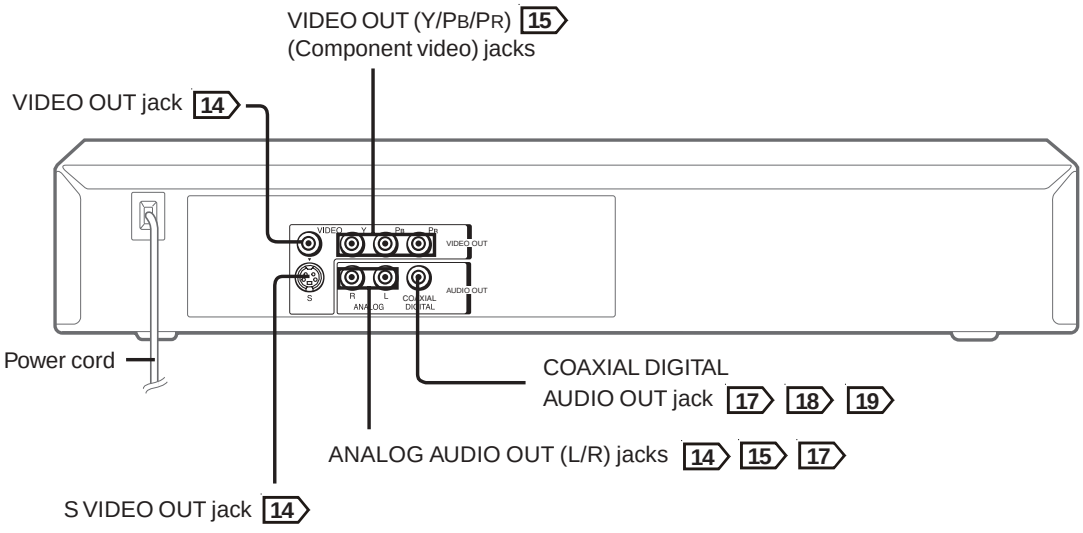
Identification of Controls

See the page in ⟨ ⟩ for details.

Front panel

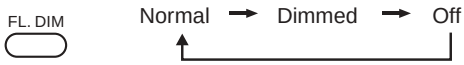


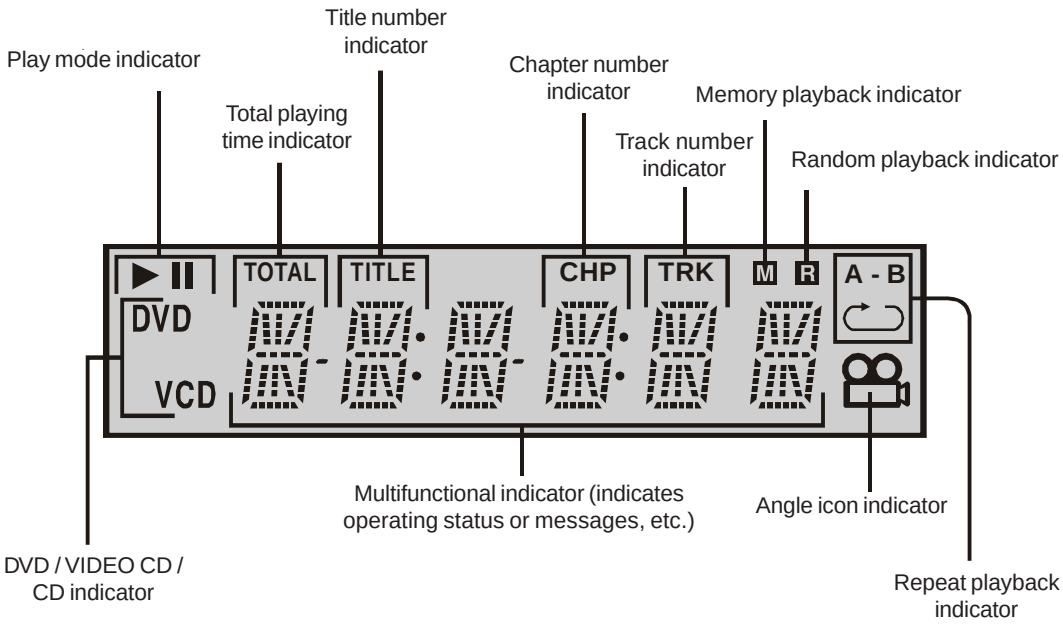
Rear panel


VIDEO OUT (Y/PB/PR) 15
(Component video) jacks
VIDEO OUT jack 14
Power cord
COAXIAL DIGITAL
AUDIO OUT jack 17 18 19
ANALOG AUDIO OUT (L/R) jacks 14 15 17
S VIDEO OUT jack 14

DVD display

■ **Pressing of the FL. DIM button on the remote control changes the brightness of the display.**





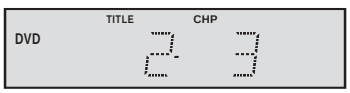
■ **When you start playback, the elapsed time indicators appear. Pressing the FL. SELECT button switches them to the title/chapter/track number indicators. Some discs may not permit this operation.**

The indicators vary depending on the kinds of discs you play.

DVD video disc

- During playback:

Example



Playing chapter 3 of title 2

Some discs may not display chapter numbers or elapsed time.

VIDEO CD

- During playback:

Example

Playing track 1

Some discs may not display track numbers or elapsed time.

Audio CD

- During playback:

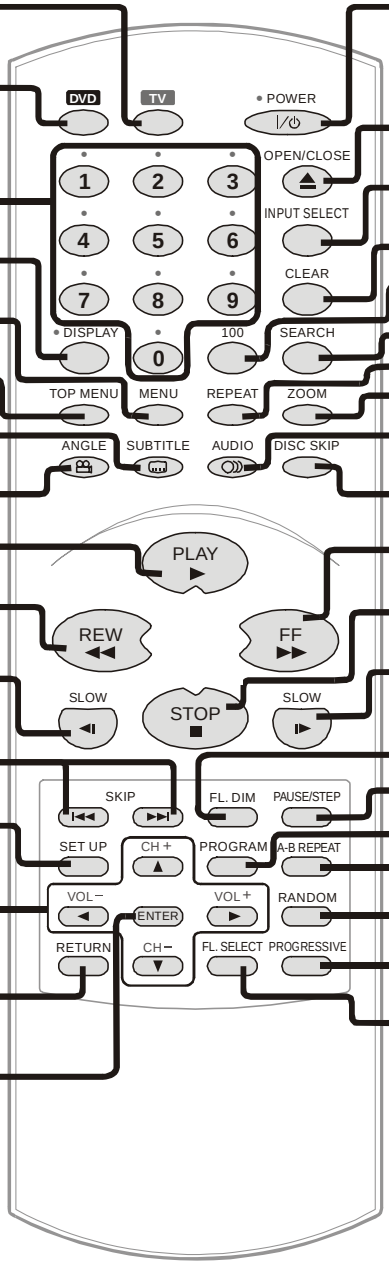
Example

Playing track 6

Identification of Controls (continued)

The instruction in this manual describe the functions on the remote control. See the page in ▭ for details.

Remote Control



TV button 20 46

DVD button 20

Number buttons 25

• DISPLAY button 30 46

* MENU button 24

TOP MENU button 24

SUBTITLE button 32

ANGLE button 33

PLAY button 20

REW button 22

SLOW button 23

SKIP buttons 25

SET UP button 38

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RETURN button 38

ENTER button 20 24

POWER button 20 46

OPEN/CLOSE button 20

INPUT SELECT button 46

CLEAR button 25

100 button 46

SEARCH button 25

REPEAT button 28

ZOOM button 34

AUDIO button 31

DISC SKIP button 20

FF button 22

STOP button 21

SLOW button 23

FL. DIM button 11

PAUSE/STEP button 21 22

PROGRAM button 27 46

A-B REPEAT button 28

RANDOM button 29

PROGRESSIVE button 15 42

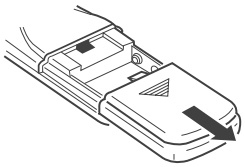
FL. SELECT button 11

*** MENU button**

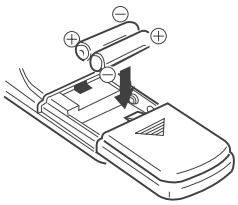
Use the MENU button to display the menu included on many DVD video discs. To operate a menu, follow the instructions in "Locating a title using the top menu". 24

Loading batteries

1 **Open the cover.**

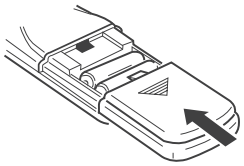


2 **Insert batteries (AAA size).**



Make sure to match the + and – on the batteries to the marks inside the battery compartment.

3 **Close the cover.**



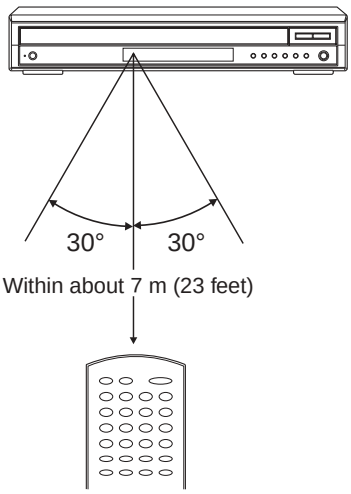
Notes on batteries

Improper use of batteries may cause battery leakage and corrosion. To operate the remote control correctly, follow the instructions below.

- Do not insert batteries into the remote control in the wrong direction.
- Do not charge, heat, open, or short-circuit the batteries.
  Do not throw batteries into a fire.
- Do not leave dead or exhausted batteries in the remote control.
- Do not use different types of batteries together, or mix old and new batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
- If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.
- If battery leakage occurs, wipe the battery liquid from the battery compartment, then insert new batteries.

Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



Distance: About 7 m (23 feet) from the front of the remote sensor

Angle : About 30° in each direction of the front of the remote sensor

* Do not expose the remote sensor of the DVD video player to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the DVD video player via the remote control.

Notes on the remote control

- Direct the remote control at the remote sensor of the DVD video player.
- When using the remote control, press the buttons at intervals of about 1 second to ensure the correct mode of operation.
- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not open the remote control.

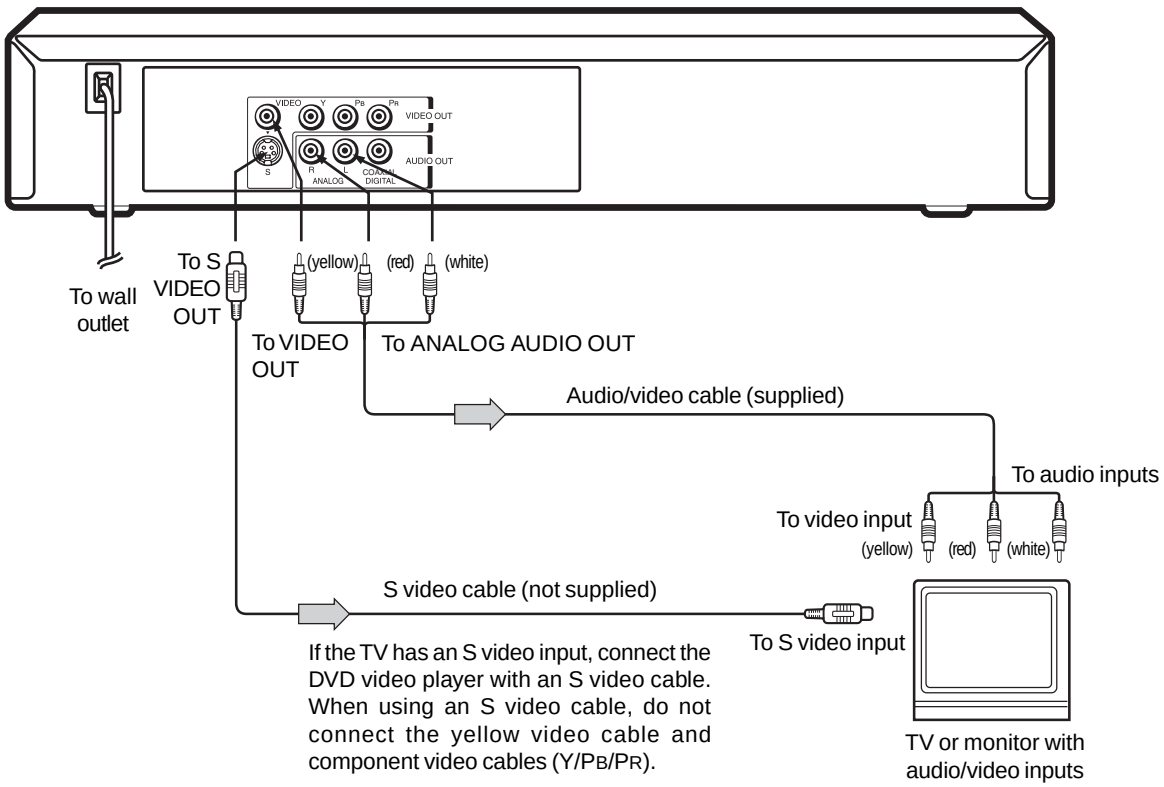
Connecting to a TV

Connect the DVD video player to your TV.

For details of output sound, see 31

Connecting to a TV

Signal flow



- Make the following setting.

On-screen display	Select	Page
"Digital Out"	"Raw" or "PCM"	38, 43
"Video Output"	"CVBS" or * "YUV"	38, 42

* Only for analog video out jack (yellow) connection with progrssive scan off.

Notes:

- Refer to the owner's manual of the connected TV as well.
- When you connect the DVD video player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- If your television set has one audio input, connect the left and right audio outputs of the DVD video player to a Y cable adapter (not supplied) and then connect to your TV.
- Connect the DVD video player directly to your TV. If you connect the DVD video player to a VCR, TV/VCR combination or video selector, the playback picture may be distorted as DVD video discs are copy protected.
- Analog audio out will not have sound if DTS playback is selected.

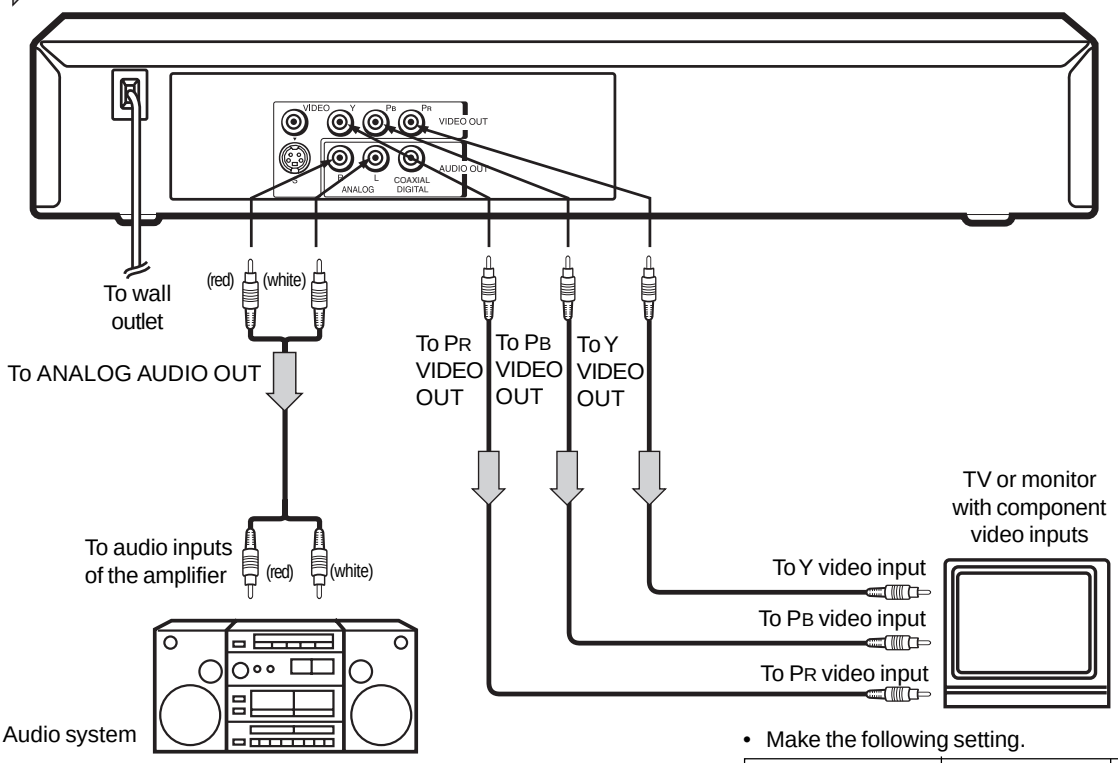
Interlaced outputs/inputs (ColorStream®)
Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.
Actual labels for component video inputs may vary depending on the TV manufacturer. (ex. Y, R-Y, B-Y or Y, C_B, C_R)
In some TVs or monitors, the color levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

Progressive outputs/inputs (ColorStream®Pro)
Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressively scanned video signal. Connecting to these inputs allows you to view the highest quality pictures with less flicker.

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525p OR 625p PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

Connecting to an audio system and TV equipped with component video inputs

Signal flow



■ You can temporarily switch the output signal for better picture quality.
Press **PROGRESSIVE** button on the remote control during stop mode.
Press **PROGRESSIVE** button again to turn off progressive mode.

• Make the following setting.

On-screen display	Select	Page
"Digital Out"	"Raw" or "PCM"	38 43
"Video Output"	"YUV"	38 42

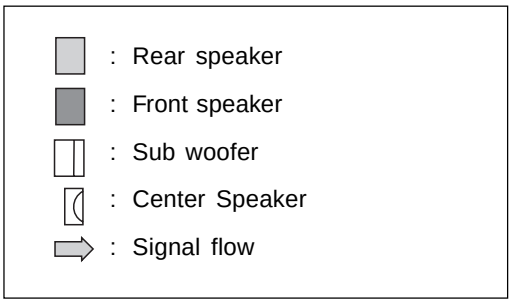
If you connect a progressive TV, Press **PROGRESSIVE** button on the remote control to "On" 42.

Notes:
- Refer to the owner's manual of the connected TV as well.
- When you connect the DVD video player to your equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- If you place the DVD video player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD video player away from the tuner and radio.
- The output sound of the DVD video player has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, high volume sound may damage your hearing as well as the speakers.
- Turn off the amplifier before you connect or disconnect the DVD video player's power cord. If you leave the amplifier power on, the speakers may be damaged.
- Analog audio out will not have sound if DTS playback is selected.

Connecting to Optional Equipment

You can enjoy high quality dynamic sounds by connecting the DVD video player to optional audio equipment.

- For connection to your TV, see “Connecting to a TV” 14 15 .
- For details of output sound, see 31 .
- This section uses the following reference marks.



Notes:

- DO NOT connect the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the BITSTREAM/PCM AUDIO OUT jack of the DVD video player.
- Connect the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player to the “DIGITAL (COAXIAL)” input of a Receiver or Processor.
- Refer to the owner’s manual of the connected equipment as well.
- When you connect the DVD video player to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- The output sound of the DVD video player has a wide dynamic range. Be sure to adjust the receiver’s volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the DVD video player’s power cord. If you leave the amplifier power on, the speakers may be damaged.

Warning:

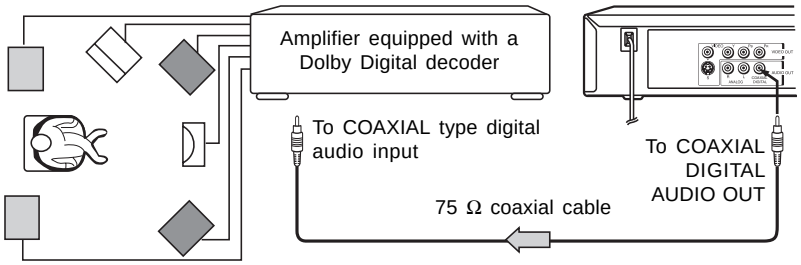
- When you are connecting (via the COAXIAL DIGITAL AUDIO OUT jack) an AV decoder that does not have Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set “Digital Out” to “PCM” from the on-screen display 43 . Otherwise, high volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (audio CDs), excessive noise may be output from the analog audio output jacks. To avoid possible damage to the audio system, you should take proper precautions when the analog audio output jacks of DVD video player are connected to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player.

Connecting to an amplifier equipped with a Dolby Digital decoder

Dolby Digital

Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD video discs with this dynamic realistic sound by connecting the DVD video player to a 6 channel amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. If you have a Dolby Surround Pro Logic decoder, you will obtain the full benefit or Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic” and the double-D system are trademarks of Dolby Laboratories. Confidential unpublished works. Copyright 1992-1997 Dolby Laboratories. All rights reserved.


Amplifier equipped with a Dolby Digital decoder
To COAXIAL type digital audio input
To COAXIAL DIGITAL AUDIO OUT
75 Ω coaxial cable

- Use DVD video discs encoded via the Dolby Digital recording system.
- Make the following setting.

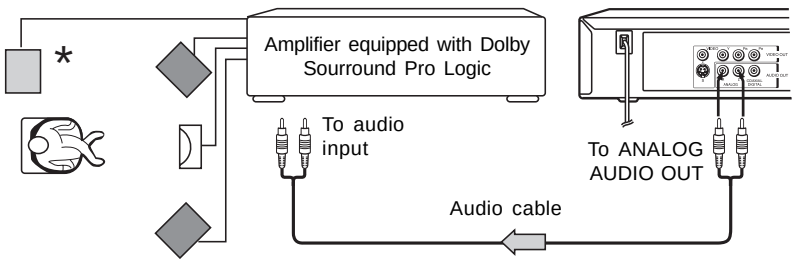
On-screen display	Select	Page
“Digital Out”	“Raw” or “PCM”	38 43

Connecting to an amplifier equipped with a Dolby Surround Pro Logic

Dolby Surround Pro Logic

You can enjoy the dynamic realistic sound of Dolby Surround Pro Logic by connecting an amplifier and speaker system (right and left front speakers, a center speaker, and one or two rear speakers).

- With an amplifier equipped with Dolby Digital
  Connect the equipment the same way as described in “Connecting to an amplifier equipped with a Dolby Digital Decoder.” Refer to that amplifier’s owner’s manual and set the amplifier so you can enjoy Dolby Surround Pro Logic sound.
- With an amplifier not equipped with Dolby Digital
  Connect the equipment as follows.



- Make the following setting.

On-screen display	Select	Page
“Digital Out”	“Raw” or “PCM”	38 43

* Connect one or two rear speakers. The output sound from the rear speakers will be monaural even if you connect two rear speakers.

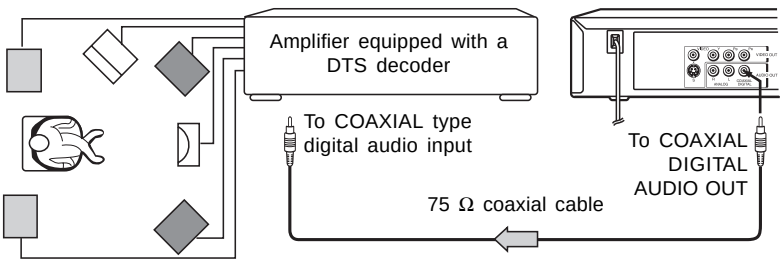
Connecting to Optional Equipment (Continued)

Connecting to an amplifier equipped with a DTS decoder

Digital Theater Systems (DTS)

DTS is a high quality surround technology used in theaters and now available for home use, on DVD video discs or audio CDs.

If you have a DTS decoder or processor, you can obtain the full benefit of 5.1 channel DTS encoded sound tracks on DVD video discs or audio CDs.


Amplifier equipped with a DTS decoder
To COAXIAL type digital audio input
To COAXIAL DIGITAL AUDIO OUT
75 Ω coaxial cable

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

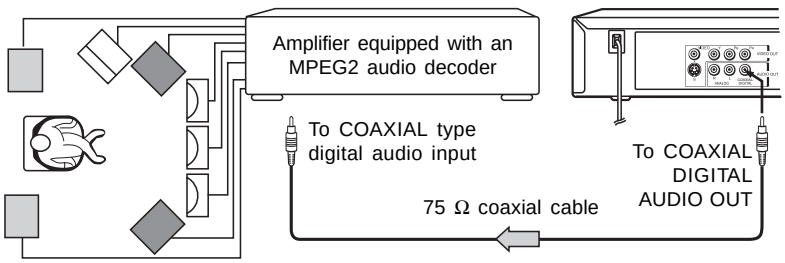
- Use DVD video discs or audio CDs encoded via the DTS recording system.
- Make the following setting.

On-screen display	Select	Page
"Digital Out"	"Raw"	38 43

Connecting to an amplifier equipped with an MPEG2 audio decoder

MPEG2 sound

You can enjoy motion picture and live concert DVD video discs with dynamic realistic sound by connecting an amplifier equipped with an MPEG2 audio decoder or MPEG2 audio processor.


Amplifier equipped with an MPEG2 audio decoder
To COAXIAL type digital audio input
To COAXIAL DIGITAL AUDIO OUT
75 Ω coaxial cable

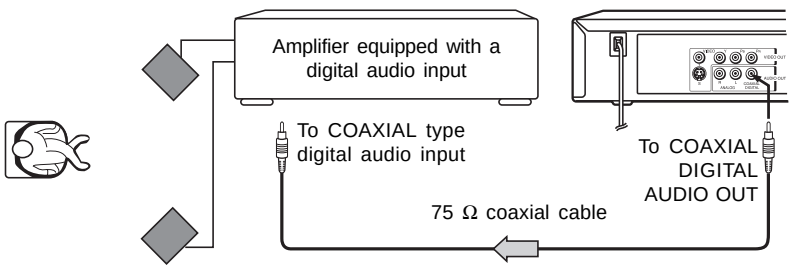
- Use DVD video discs encoded via the MPEG2 recording system.
- Make the following setting.

On-screen display	Select	Page
"Digital Out"	"Raw" or "PCM"	38 43

Connecting to an amplifier equipped with a digital audio input

2 channel digital stereo

You can enjoy the dynamic sound of 2 channel digital stereo by connecting an amplifier equipped with a digital audio input and speaker system (right and left front speakers).


Amplifier equipped with a digital audio input
To COAXIAL type digital audio input
To COAXIAL DIGITAL AUDIO OUT
75 Ω coaxial cable

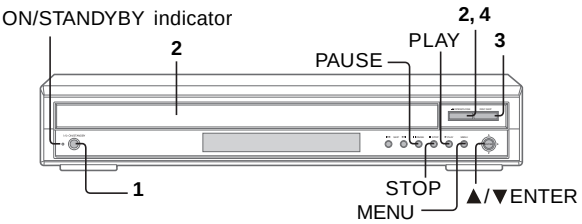
- Make the following setting.

On-screen display	Select	Page
“Digital Out”	“PCM”	38 43

Playing a Disc

This section shows you the basic on how to play a disc.

CAUTION
Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.



Basic playback

Preparations

- When you want to view a disc, turn on the TV and select the video input connected to the DVD video player.
- When you want to enjoy the sound of discs from the audio system, turn on the audio system and select the input connected to the DVD video player.
- Press DVD to select DVD mode.

1 Press the ON/STANDBY button.

I/⏻ ON/STANDBY

The DVD video player turns on. The ON/STANDBY indicator on the player illuminates.

When the DVD video player is turned on for the first time, see CUSTOMIZING THE FUNCTION SETTINGS (page 38 to 44) before proceeding to step 2.

2 Press OPEN/CLOSE, place a disc on the disc tray.

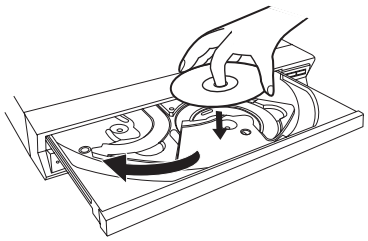
⏏OPEN/CLOSE

The disc tray opens.

3 Press DISC SKIP to revolve the tray clockwise. Place an other disc on the disc tray.

With the playback side down.
Place an other disc(s) on the disc holder(s).

DISC SKIP



- There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD video player to malfunction.
- Do not place a disc which is unplayable in this DVD video player.

4 Press OPEN/CLOSE to close the disc tray.

⏏OPEN/CLOSE

Playback starts.
Players will start to scan and play from current closed location as the first location. In case no disc is available, it will skip to the next tray. It will stop scanning after completion of the fifth disc.

If you insert a DVD video disc that contains a top menu, a menu may appear. See "**Locating a title using the top menu**". 24

- You may need to press MENU button to display disc menu (depending on the actual DVD video disc.)

Notes

- If the disc tray contains a disc you have already played, playback will begin from the location where you last stopped playback.
- Some Video CD are recorded with **PBC (Playback Control)**, a menu with recorded contents may appear on the TV if you have turned the PBC on. You can make your selection according to its PBC menu. Press **MENU** button on the remote control to turn PBC on or off anytime during Video CD playback. When switching from PBC off to PBC on mode, playback will start from the beginning of the disc.

■ To start playback in the stop mode

Press **PLAY**.

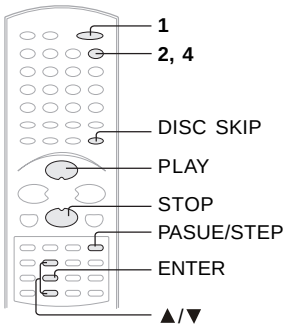
►PLAY

■ To playback from a specific disc tray number

Press **DISC SKIP** several times until you see your desired tray number appears on the DVD display.

DISC SKIP

The disc on the selected disc tray will be played back automatically.



■ **To obtain a higher quality picture**

Occasionally, some picture noise not usually visible during a normal broadcast may appear on the TV screen while playing DVD video disc because the high resolution pictures on these discs include a lot of information. While the amount of noise depends on the TV you use with this DVD video player, you should generally reduce the sharpness adjustment on your TV when viewing DVD video discs.

■ **About** DVD VCD CD

The DVD VCD CD icons on the heading bar show the playable discs for the function described under that heading.

DVD : You can use this function with DVD video discs.
VCD : You can use this function with VIDEO CDs.
CD : You can use this function with audio CDs.

■ **To pause playback (still mode)**

Press **PAUSE/STEP** during playback.

To resume normal playback, press the PLAY button.

- The sound is muted during still mode.

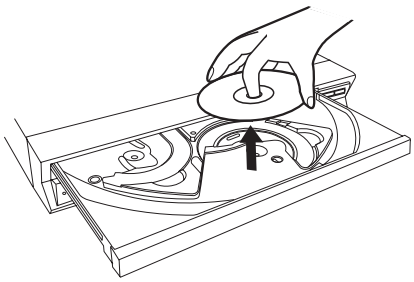
■ **To stop playback**

Press **STOP**.

■ **To remove the disc**

Press **OPEN/CLOSE** and **DISC SKIP** to revolve the tray closewise.

Remove the disc after the disc tray opens completely.



Be sure to press **OPEN/CLOSE** button to close the disc tray after you remove the disc.

■ **To turn the power off (To enter the standby mode)**

Press **ON/STANDBY** to turn the ON/STANDBY indicator to red.

Note

Be aware that this equipment is still powered even after the ON/STANDBY indicator turns off (standby mode) by pressing **ON/STANDBY** button. To disconnect this equipment completely from the mains power, pull out the power plug from the wall outlet.

■ **About the screen saver**

If you pause a picture of a DVD video disc and leave it still for a long while, the screen saver of the DVD video player automatically appears. To turn off the screen saver, press **PLAY** button.

■ **Automatic Power Off function**

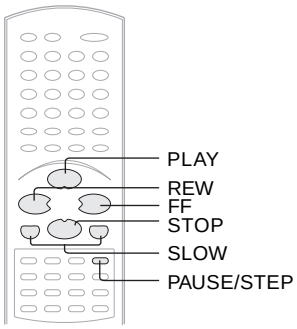
If the DVD video player is stopped, or the screen saver is engaged for approximately 20 minutes, the DVD video player will automatically turn itself off.

Notes:

- Remove all the discs from the DVD video player before moving from one location to another location.
- Do not move the DVD video player during playback. Doing so may damage the disc.
- Use **OPEN/CLOSE** button to open and close the disc tray. Do not push the disc tray while it is moving. Doing so may cause the DVD video player to malfunction.
- Do not push up on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the DVD video player to malfunction.
- In many instances, a menu screen will appear after playback of a movie is completed. Prolonged display of an on-screen menu may damage your television set, permanently etching that image onto its screen. To avoid this, be sure to press **STOP** button on your remote control once the movie is completed.

Variable Speed Playback

You can play discs at various speeds, and resume playback from the location where you stopped playback.



Playing in fast reverse or fast forward directions

Press REW or FF during playback.

REW FF

REW: Fast reverse playback
FF: Fast forward playback

Each time you press REW or FF button, the playback speed changes.

■ **To resume normal playback**
Press **PLAY**.

PLAY

Notes

- The DVD video player mutes sound and subtitle during reverse and forward scan of DVD video discs. However, the DVD video player plays sound during fast forward or fast reverse play of audio CDs.
- The playback speed may differ depending on the disc.

Playing frame by frame

Press PAUSE/STEP during still playback.

PAUSE/STEP

Each time you press PAUSE/STEP button, the picture advances one frame.

■ **To resume normal playback**
Press **PLAY**.

PLAY

Note

The sound is muted during frame by frame playback.

Playing in slow-motion

Press SLOW during playback.

SLOW ◄I

SLOW I►

Each time you press SLOW button, the slow-motion speed changes.

I►1/2

I► 1/2 ⟶ I► 1/4 ⟶ I► 1/8

■ To resume normal playback

Press **PLAY**.

PLAY ►

Notes

- The sound is muted during slow-motion playback.
- Three speeds are available.
- You cannot use REW SLOW playback function in VIDEO CD.

Resuming playback from the same location

1 Press STOP at the location where you want to interrupt playback.

STOP ■

The DVD video player memorizes the location where playback is stopped.

2 Press PLAY.

PLAY ►

The DVD video player resumes playback from the lcoation where you stopped playback.

■ To start playback from the beginning regardless of the location where you stopped playback

1 Press **STOP** twice.

STOP ■

The DVD video player deletes the memory of the location.

2 Press **PLAY**.

PLAY ►

DVD Playback starts from the beginning of the current title.

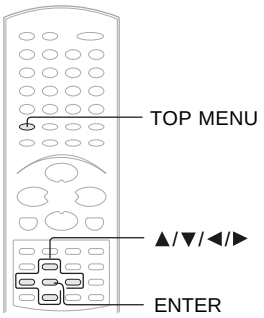
VCD CD Playback starts from the beginning of the disc.

- If you want to return to the beginning of a DVD video disc, open and close the disc tray once with **OPEN/CLOSE** button before pressing **PLAY** button.

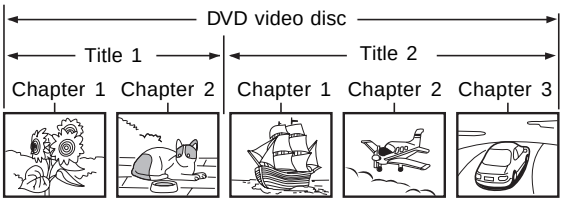
Notes

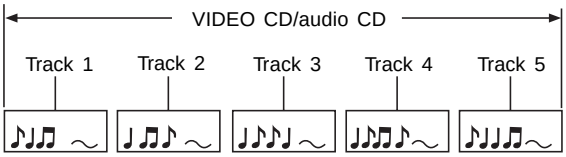
- Resuming cannot function when:
  - you change the parental lock setting 44 or select a disc menu language 41.
  - you open the disc tray.
  - you disconnect the power plug of the DVD video player.
  - you play a PBC-feature video CD while the PBC is on.
- There may be a difference in the location where playback resumes depending on the disc.
- Settings you changed using the on-screen displays while the DVD video player keeps a location in the memory may function only after the memory is cleared.

Locating a Desired Section



Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapter. VIDEO CDs and audio CDs are divided into tracks. You can quickly locate any specific title, chapter, or track.





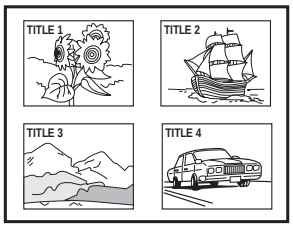
DVD Locating a title using the top menu

1 Press TOP MENU during playback.

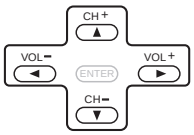
TOP MENU

The top menu appears on the TV screen.

e.g.

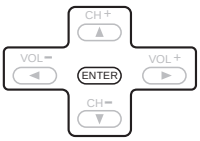


2 Press ▲/▼/◄/► to select the title you want.



If the titles in the top menu are assigned a number, you can directly locate a specific title by pressing its designated number with the number buttons.

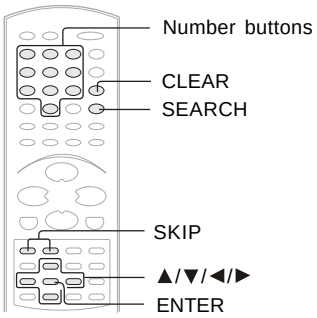
3 Press ENTER.



Playback starts from chapter 1 of the selected title.

Notes:

- The instructions above describe basic procedures which may vary depending on the contents of the DVD video disc. If different instructions appear on the TV screen, follow these instructions.
- If you display the top menu during playback and press **TOP MENU** button again without selecting any title, the DVD video player may resume playback from the point where you first pressed **TOP MENU** button (depending on the actual DVD video disc.)
- This method of locating a title is available only on a disc that contains a top menu.
- Instruction notes of discs may refer to the button that displays the top menu as **TITLE** button.

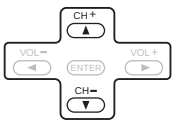


Locating a desired section by entering the corresponding number

1 Press SEARCH.

Press ▲/▼ to highlight the Title/Chapter or Track. If you are using a VIDEO CD / audio CD, skip step 2. Then at step 3, enter the number for the track you want using the number buttons.

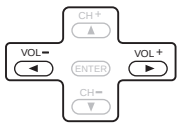
SEARCH



e.g.

e.g.

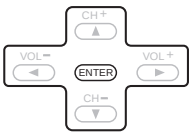
2 Press ◄/► to select a section you want to locate.



e.g. When you want to locate a chapter.

3 Press the number buttons to enter title, chapter or track number.

4 Press ENTER.



Playback starts from the selected section.

Notes:

- Pressing **CLEAR** button resets the numbers. To clear the display, press **SEARCH** button several times.
- This method of locating a title is available only on a disc that contains title numbers.

Skipping to next/previous chapter or track

Press ⏮ SKIP or SKIP ⏭ repeatedly to access the chapter or track number you want.

Playback starts from the selected chapter or track.

To locate succeeding chapters or tracks.

Playback starts from the beginning of the current chapter or track.

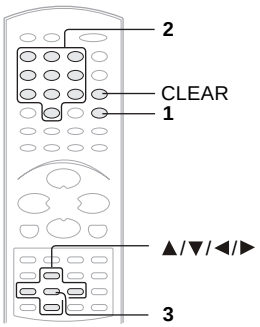
When you press twice in quick successions, playback starts from the beginning of the preceding chapter or track.

Notes:

- Some titles may not display chapter numbers.
- If you press and hold ⏮ **SKIP** or **SKIP** ⏭ button on the front panel during playback, the DVD video player performs fast reverse or fast forward playback. You can vary the speed by pressing the button repeatedly.
  To locate chapters or tracks during fast reverse or fast forward playback, first press **PLAY** button to resume normal playback, then use ⏮ **SKIP** or **SKIP** ⏭ button.

Accessing a Specific Location Directly

You can access a specific location by entering its corresponding time (hours, minutes, seconds).



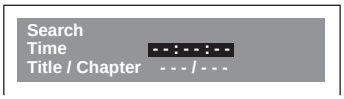
Entering the time counter of the desired location

1 Press SEARCH.

SEARCH

Press ▲ / ▼ button to highlight the time counter.

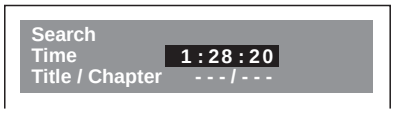
e.g. DVD



e.g. VCD CD

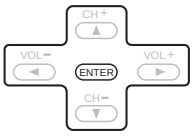
2 Press the number buttons to enter the time.

e.g. (1) → (2) → (8) → (2) → (0)



- The first number you entered represent hours.
- The second two numbers you entered represent minutes.
- The third two numbers you entered represent seconds.
- If you input a wrong number, press CLEAR.

3 Press ENTER.



Playback starts from the desired location.

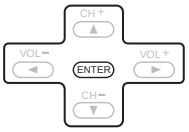
Notes

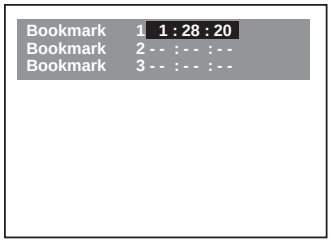
- Some discs may not respond to this process.
- Some scenes may not be located precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD video disc or within the current track of the VIDEO CD / audio CD.
- You can move through the menu by pressing the ▲, ▼, ◄ and ► buttons.

■ To set and play favorite bookmark during playback

1 Press **SERACH** repeatedly until the display of Bookmark appears, then press **ENTER** to mark the desired scene.

SEARCH





2 Press **ENTER** to play the favorite bookmark.

If you want to set other bookmark. Follow step 1 and move through the menu by pressing the ▲ or ▼ button.

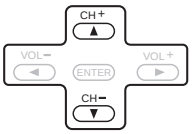
■ Press SEARCH again to remove this display

SEARCH

■ To cancel the bookmark

Follow step 1, then press CLEAR to cancel the bookmark, move through the menu by pressing the ▲ or ▼ button to cancel other bookmarks.

CLEAR

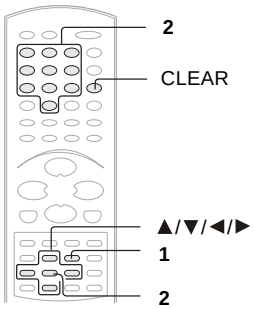


Notes

- This method for accessing specific locations is available only within the current disc.
- Press **DISC SKIP** to change other disc, **STOP** or turn off the DVD video player to clear the memory.

Playing in a Favorite Order

You can combine your favorite titles, chapters, or tracks and play them in the order you determine. You can program up to 12 selections into the memory. (Program playback)



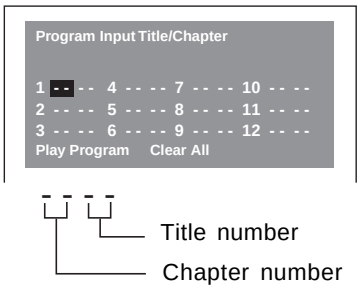
Setting titles, chapters, or tracks in a favorite order

1 Insert a disc and press PROGRAM during stop.

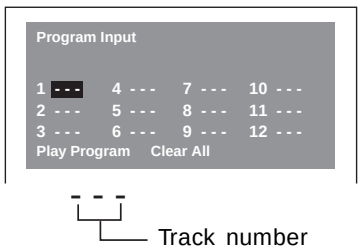
The following display appears.

e.g.

PROGRAM



PROGRAM



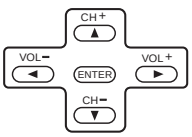
2 Select the items in the order you want by pressing the number buttons, then ENTER for each item.

Each time you press ▲/▼/◄/► button, the space of -- or --- is highlighted in turn. Highlight where you want to enter, then press the corresponding number button.

To select another chapter in the same title, you do not need to select the title number.

To select tracks from a VIDEO CD / audio CD in order, press number buttons for the track.

3 Press ▲/▼/◄/► to move the highlighted bar to Play Program, then press ENTER.



The DVD video player starts program playback.

■ To change the programmed selections

1 While the display appears on the TV screen, press ▲/▼/◄/► to move the highlighted bar to the item you want to change.

2 Change the selection following the instructions in step **2**.

■ To cancel the programmed selections

1 Press the **PROGRAM** button, the display appears on the TV screen, press ▲/▼/◄/► to move the highlighted bar to the item you want to cancel.

2 Press **CLEAR.**

■ To resume normal playback from program playback

Press **PROGRAM** button and press ▲/▼/◄/► to move the highlighted bar to the Clear All, then press **ENTER**. All the input programmes will be cleared. Press **PLAY** button to resume normal playback.

Normal playback will start from first location.

■ To program during playback

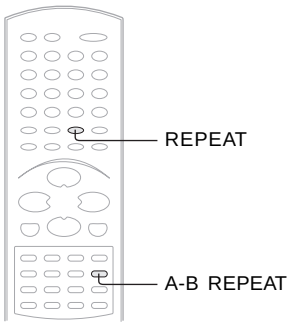
If you press **PROGRAM** button during playback, a programming display appears.
Follow steps 2 and 3.

Notes

- Some discs may not permit program playback operation.
- If you press **REPEAT** button during program playback, the DVD video player repeats the current program playback.
- If you press **PROGRAM** button while the display appears on the TV screen, the display disappears.
- The programmed selections will be cleared when you turn off the DVD video player.

Playing Repeatedly

You can play a specific title, chapter, track, or segment repectedly.
(Title repeat, chapter/track repeat, A-B repeat)



Repeating a title, chapter or track

1 Press REPEAT repeatedly to select desired repeat during playback.

REPEAT

Each time you press REPEAT button, the playback mode changes as follows.

Repeat Chapter

Off	Resumes normal playback.
Repeat Chapter	Repeats the current chapter.
Repeat Title	Repeats the current title.
Rpt One Track	Repeats a current track
Rpt One Disc	Repeats the entire disc.
Repeat All	Repeats all discs.

The DVD video player starts in the selected mode within about 5 seconds after you select.

■ **To resume normal playback**

Press **REPEAT** until the "Off" is displayed.

Notes

- Some discs may not permit these operations.
- Repeat is prohibited when PBC is on. 20

Repeating a specific segment

1 Press A-B REPEAT at the beginning of the segment (point A) you want to play repeatedly.

A-B REPEAT

Rep A-

2 Press A-B REPEAT again at the end of the segment (point B).

A-B REPEAT

The DVD video player automatically returns to point A and starts repeat playback of the selected segment (Rep A-B).

Rep A-B

■ **To resume normal playback.**

Press **A-B REPEAT** repeatedly until the word "Rep Off" is displayed.

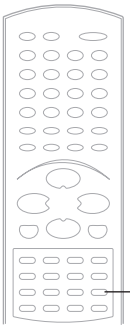
A-B REPEAT

Notes

- Some discs may not permit A-B repeat operation.
- You cannot set the A-B repeat function for a segment that includes multiple camera angles 33.
- You can specify a segment only within the current title or track (VIDEO CD).
- There may be a slight difference between point A and the location where playback actually resumes depending on the disc.

Playing in Random Order

You can play titles, chapters or tracks in random order.
(Random playback)



DVD VCD CD Playing titles, chapters or tracks in random order

1 Press RANDOM repeatedly to select the random playback mode.

RANDOM

The DVD video player starts random playback within about 5 seconds after you press RANDOM button.

The mode changes as follows (when using the RANDOM button):

DVD VCD CD

- Random Off — Resumes normal playback.
- ↓
- Random 1 — Plays single disc in random order.
- ↓
- Random 2 — Plays all discs in random order.
- VCD CD Random 3 — a) Plays 3 tracks randomly from a disc.
  b) Plays 3 tracks randomly from a different disc until all discs have been played.
  c) Repeat (b) until all discs have been accessed twice.

If you press REPEAT in random on mode, the DVD player automatically starts random playback after finishing the current title, chapter or track. The mode changes same as "Repeating title, chapter or track" 28.

■ **To resume normal playback.**
Press **RANDOM** repeatedly until the word "Random Off" is displayed.

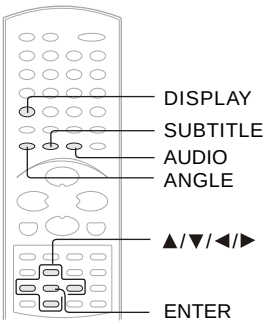
RANDOM

Notes

- Some discs may not permit random playback operation.
- You cannot use the random playback function in conjunction with the program playback function.
- Random 3 is not applicable in DVD discs.

On-screen Display Operation

When you turn on the on-screen display, you can view information on operational status and access features and settings.



On-screen display operation

Press DISPLAY during playback.

• DISPLAY

The following display appears.

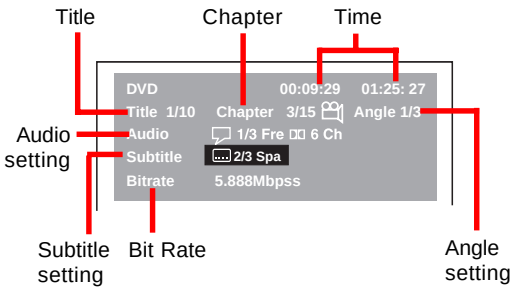
e.g. While a DVD video disc is playing.

Elapsed time: Elapsed time from the beginning of the chapter which is currently playing.

Remaining time: Remaining time of the title which is currently playing.

The following display appears when press DISPLAY again.

Press ANGLE, AUDIO or SUBTITLE to change the current settings, then press ENTER to confirm.



After settings, press DISPLAY again to return to the normal screen.

■ Features

Title number

- The number of the title currently playing and total titles of disc.

Chapter number

- The number of the chapter currently playing and total chapters of the currently played title.

Time counter

- Elapsed time from the beginning of the currently playing chapter and the remaining time from the beginning of the currently playing title.

Angle setting 33

- The current angle is displayed. When a disc with only one angle is played back, "Angle 1/1" is displayed.
- Press the **ANGLE** button to select the desired angle.

Audio setting 31

- The type of audio currently selected is displayed.
- Press the **AUDIO** button to select your desired type of audio.

Subtitle setting 32

- The subtitle number and language currently selected is displayed. When a disc with only one subtitle is played back, "1/1 Eng" is displayed.
- Press the **SUBTITLE** button to select your desired language.

Bit Rate (Mbit/s)

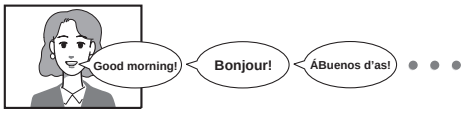
- Amount of picture, sound and subtitle data in DVD video disc transferred per second. The larger the value is, the more data processed, but this does not necessarily insure better picture quality.

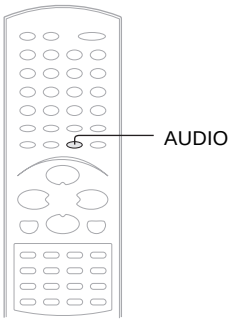
Note

DISPLAY is prohibited during MP3 / WMA playback.

Selecting a Language

You can select a preferred language and sound recording system from those included on the DVD video disc.





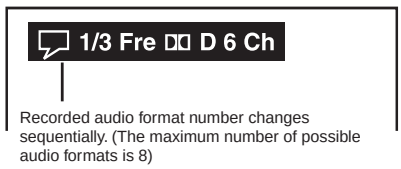
Selecting a playback audio setting

1 **Press AUDIO during playback.**

AUDIO

The current audio setting is displayed. Press AUDIO repeatedly until your desired setting.

e.g.



The abbreviation of the language appears instead of the language name. Refer to the table of languages and their abbreviations 45.

2 **Press AUDIO while the audio setting is displayed on the TV screen.**

AUDIO

Each time you press the AUDIO button, the audio settings included on the DVD video disc change.

■ **Selecting sound channels of VIDEO CDs**

Press **AUDIO** repeatedly during playback to hear a different audio channel (Stereo, Left or Right).

AUDIO

Notes:

- When you turn on the DVD video player or replace a disc, player return to the initial default setting 44.
  If you select a sound track which is not included on the disc, the DVD video player plays a prior sound track programmed on the disc.
- Some discs allow you to change audio selections only via the disc menu. If this is the case, press the **MENU** button and choose the appropriate language from the selections on the disc menu.
- When you change the audio setting during playback of a DVD audio disc, playback may return to the beginning of the current track.

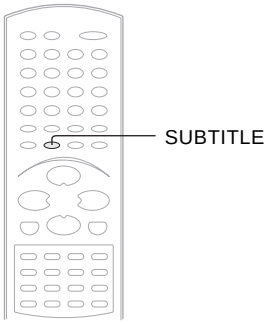
■ **Output sound conversion table**

Input	Output	COAXIAL DIGITAL AUDIO OUT jack "Digital Out" 38 43		ANALOG AUDIO OUT Jacks
		"Raw"	"PCM"	
DVD video discs	Dolby Digital	Raw	PCM	○
	Linear PCM	PCM	PCM	○
	DTS	Raw	Raw	—
	MPEG1, MPEG2	Raw	PCM	○
VIDEO CD	MPEG1	PCM	PCM	○
AUDIO CD	Linear PCM 44.1 kHz/16 bit	PCM	PCM	○
	DTS	Raw	Raw	—
MP3/WMA		PCM	PCM	○

- Quantization bit of signals of 20 bit or higher which is output from the COAXIAL DIGITAL AUDIO OUT jack is 16 bit if they are in a copyright protected disc.
- Virtual Effect is selected. 43

Selecting Subtitles

You can display subtitles on the TV screen and select a subtitle language from those included on the DVD video disc.



DVD Selecting a subtitle language

1 Press SUBTITLE during playback.

SUBTITLE

The current subtitle setting is displayed.

2 Press SUBTITLE while the subtitle setting is displayed on the TV screen.

SUBTITLE

Each time you press SUBTITLE button, the subtitle languages included on the DVD video disc change.

To turn off the subtitle setting display, press SUBTITLE button repeatedly until " Off " is displayed.

■ **To turn subtitles on or off.**

1 Press **SUBTITLE** during playback.

SUBTITLE

2 Press **SUBTITLE** repeatedly until the " **Off** " is displayed.

Notes:

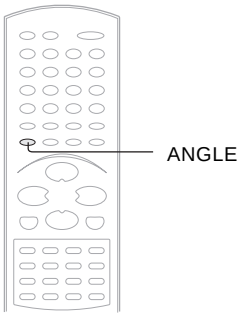
- Some DVD discs video discs are set to display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- During some scenes, the subtitles may not appear immediately after you select "subtitle number and language".
- Some DVD video discs will allow you to make subtitle selections and turn subtitles on or off only via the disc menu.

Notes:

- When you turn on the DVD video player or replace a disc, the player returns to the initial default setting 40. When you select a subtitle language which is not included on the disc, the DVD video player plays a prior are language programmed on the disc.
- During some scenes, the subtitles may not appear immediately after you change the subtitle language.

Selecting the Camera Angle

If the scene was recorded from multiple angles, you can easily change the camera angle of the scene you are watching.

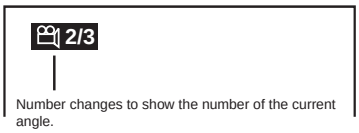


DVD Changing the camera angle

1 Press ANGLE.

ANGLE

While you are playing a DVD with different angles recorded, press ANGLE button to view the number of the current angle.

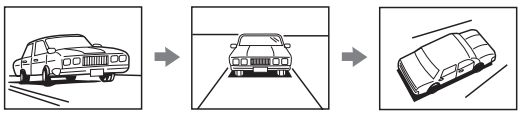


2 Press ANGLE while the angle number is displayed on the TV screen.

ANGLE

Press ANGLE button repeatedly to change the scene to the next angle in those recorded.

- About two seconds later, playback continues from the new angle you selected.
- If no button is pressed within 10 seconds, playback continues without changing the current angle.



■ To resume normal TV screen

Press **ANGLE** repeatedly until the "1/3" is displayed.

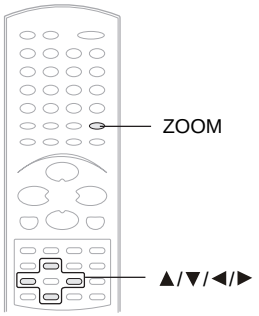
ANGLE

Notes:

- This function can only be used for discs on which scenes shot from multiple angles have been recorded.
- If only one angle is recorded, " 1/1 " is displayed.

Zooming a Picture

You can magnify areas within a picture.



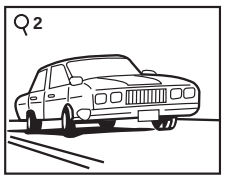
DVD VCD Zooming a picture

1 Press ZOOM during normal, slow or still playback.

ZOOM

The DVD video player enters the zoom playback mode and displays the icon.

e.g.

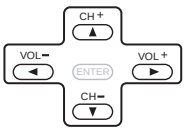


Each time you press ZOOM button, the magnification level changes as follows:

Q 1 → Q 2 → Q 3 → Q Off

Press ZOOM button to select the magnificant level.

Variation of the levels includes image reduction.



You can shift the highlight within the icon by the ▲/▼/◄/► buttons.

When you reach the edge of the image, the display will not shift anymore in that direction.

Q Off

Press ZOOM button repeatedly until the "Q Off" is displayed.

■ **To resume normal playback**

Press **ZOOM** repeatedly until the "Q Off" is displayed. Original picture is restored when the icon disappears.

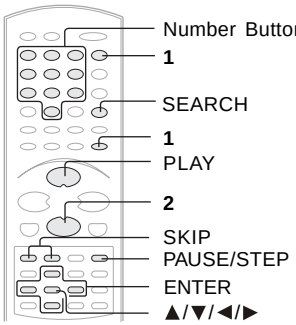
ZOOM

Notes:

- Some discs may not respond to zoom feature.
- During some scenes, the buttons may not work as described.
- Zooming does not work on subtitles or menus included on DVD video discs.
- The magnification level varies depending on the picture size you select. See 42.

Playing MP3/WMA Files

You can play MP3/WMA files that have been recorded on a CD-R or CD-ROM on the DVD video player.



Playing MP3/WMA files

■ **Preparation**

- Make sure that a disc you want to play is compatible with this DVD video player. 37

1 Press OPEN/CLOSE to open the disc tray, place a CD that contains MP3/WMA files on the disc tray, then press DISC SKIP to revolve the tray clockwise to place other(s) disc.

OPEN/CLOSE

Press OPEN/CLOSE to close the disc tray, after completion of reading, playback starts automatically.

DISC SKIP

Press the ▲/▼/◄/► to select a track you want to play.

The current track being played is highlighted in green.

2 To stop playback, press STOP.

STOP

To resume normal playback, press PLAY.

■ **To pause playback**

Press **PAUSE/STEP** during playback.

PAUSE/STEP

To resume normal playback, press **PLAY**.

■ **Selecting a track (file) in the disc**

1 Press **SEARCH**.

2 Enter the track number to select a track you want to play.

3 Press **ENTER** to begin playback of the selected track. The current track being played is highlighted in green.

Notes

- Letters of a file/folder name overflowing the given space are not displayed.
- You can not play in Fast reverse or Fast forward during MP3/WMA playback.

Notes

- Some discs may not permit this operation.
- WMA track copy-protected cannot be played.
- The COAXIAL DIGITAL AUDIO OUT jack outputs MP3/WMA sounds in the linear PCM format regardless of the current "Digital Out" 31 43 selection.
- If you stop playback by pressing **STOP** button, and then press **PLAY** button, playback will start from the beginning of the track.
- The SKIP function 25 is also available.

■ **Playable files**

• Playable discs:	CD-ROM, CD-R (650MB / 74 min. only) CD-RW is not recommendable.
• Sampling Frequency:	44.1 kHz only
• Bit rate:	WMA: 48 kbps - 192 kbps (CBR - Constant Bit Rate) MP3: 32 kbps - 320 kbps (CBR - Constant Bit Rate)
• CD physical format:	Mode 1, Mode 2 XA Form 1
• File system:	ISO9660 Level 1, 2 or Joliet
• File name:	A file name should be in alphabet and numerals only, and must incorporate "MP3" or "WMA" extension. e.g. "********.MP3", "********.WMA"
• Total number of folders:	Less than 256
• Total number of files:	Less than 1000
• WMA codec version:	V7 or V8 (Stereo sound only)

Note

When the WMA or MP3 file is out of the above specifications, the song may be skipped or muted with counter moving.

This DVD video player requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards.
There are many different types of recordable disc formats (including CD-R containing MP3/WMA files). Given the fact that technology in this area is still maturing, Toshiba cannot guarantee that all genre of recordable discs will produce optimal playback quality. The technical criteria set out in this owner's manual are meant as a guide only.
Customers should also note that permission is required in order to download MP3 files and music from the internet. Toshiba has no right to grant such permission. Permission should always be sought from the copyright owner.

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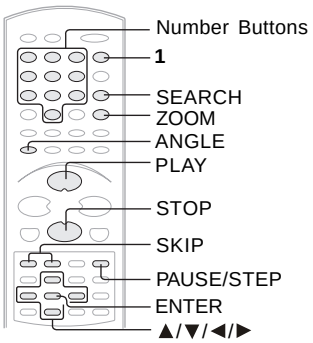
Designed for Windows Media™

Viewing JPEG Files

You can play JPEG files that have been recorded on a CD-R or CD-RW on the DVD video player. You can select a preferred view: a page of 9 thumbnail images and a single image view of a selected folder.

Also, rotating, enlarging and shifting of each image can be possible.



Viewing a single image

■ Preparations

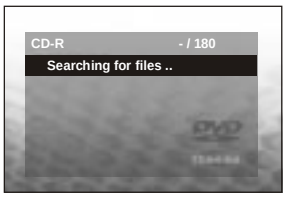
- Prepare a disc that contains JPEG files you want to view.
- Make your TV shape conform to the 4:3 picture size. Only 4:3 pictures can be played regardless of the function settings via the on-screen displays of the DVD video player. If the TV is adjusted to other sizes, e.g. "WIDE," images will appear to be horizontally expanded. For details, refer to the owner's manual of your TV.

1 Press OPEN/CLOSE to open the disc tray, place a CD that contains JEPG files on the disc tray.

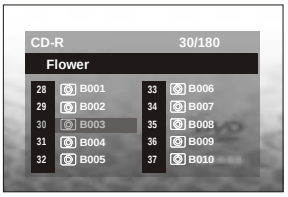
OPEN/CLOSE

Press OPEN/CLOSE to close the disc tray, after completion of reading, playback automatically starts.

A view appears. (Automatic mode) e.g.



A list of folders in the disc appears. (Selection mode) e.g.



Press ▲/▼/◄/► to select your desired file, and then press ENTER or PLAY button to start playback. The next picture will automatically display after 6 seconds.

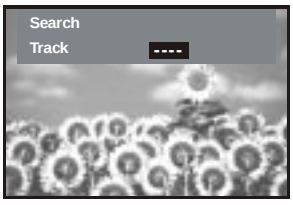
Press STOP to display a folder list.

If you want more list selection

Press ► to select.

SEARCH

Press SEARCH and enter the track number to quickly select your image.



■ To quit the JPEG playback, press STOP.

STOP ■

- Pressing **OPEN/CLOSE** button to open the disc tray can also quit the playback.

■ To pause playback

Press **PAUSE/STEP** during playback.

PAUSE/STEP

To resume normal playback, press **PLAY**.

■ To magnify an image

Press **ZOOM** repeatedly.

ZOOM

Each time you press **ZOOM** button, the magnification level changes as follows:

Q1 → Q2 → Q3 → Q Off

"Q Off" means original picture is restored.

Variation of the levels includes image reduction.

You can shift the highlight within the icon by the ▲/▼/◄/► buttons. When you reach the edge of the image, the display will not shift anymore in that direction.

■ To rotate an image

Press **ANGLE** repeatedly.

ANGLE

The image rotates by clockwise 90-degree.

■ **To change the image**

To view the succeeding image, press **SKIP** ⏭.

SKIP

To view the previous image, press **SKIP** ⏮.

SKIP

Note

- Some files may not display their own entire depending on the size.

Viewing a thumbnail view

1 Press TOP MENU in full-screen review.

TOP MENU

Press the ▲/▼/◄/► to select a image, press PLAY to view one image in full-screen and automatically display one by one again in about 6 seconds.

Turn the page if necessary

Pressing ▲/▼/◄/► to PREV ⏮ or NEXT ⏭ and ENTER to view other thumbnail screen.

■ **To quit the JPEG playback, press STOP.**

STOP

- If you press **PLAY** button after pressing **STOP** button, you can return to the thumbnail view.
- Pressing **OPEN/CLOSE** button to open the disc tray can also quit the playback.

■ **To pause playback**

Press **PAUSE/STEP** during playback.

PAUSE/STEP

To resume normal playback, press **PLAY**.

Notes

- Some files may not display their own entire depending on the size.
- If you press **TOP MENU** button in full-screen review, the DVD video player will display a menu of 9 thumbnail images.

JPEG files compatibility

Discs whose compatibility with this DVD video player has been confirmed by TOSHIBA are as follows.
Many of these discs, when loaded, will make the DVD video player enter the automatic mode 30 to play a prescribed folder in the disc. To play other folders, display a folder list and select a folder.

CANON Quick CD
FUJICOLOR CD
Kodak Picture CD
NORITSU QSS CD

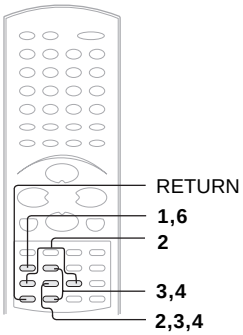
JPEG disc compatibility with this DVD video player is limited as follows:

- Playable discs: CD-ROM, CD-R (650MB / 74 min. only) CD-RW is not recommendable.
- CD physical format: Mode 1, Mode 2 XA Form 1
- File system: ISO9660 Level 1, 2 or Joliet
- File name: A file name should be in alphabet and numerals only, and must incorporate “JPG” extension. e.g.“********.JPG”
- Total number of folders: Less than 256
- Total number of files: Less than 1000

Some files may not display their own entire image depending on the size.

Customizing the Function Settings

You can change the default settings to customize performance to your preference.

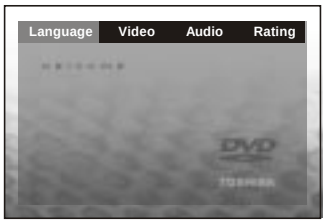


Setting procedure

1 Press SETUP during stop.

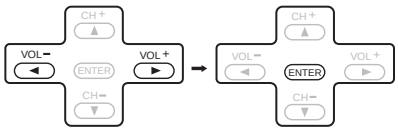
SET UP

The following on-screen display appears.



2 Press ◄ / ► to select a icon for the setting you want to change, then press ENTER.

(See the next page)



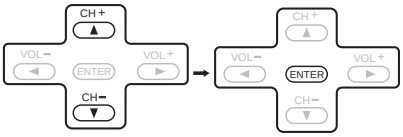
Language

Video

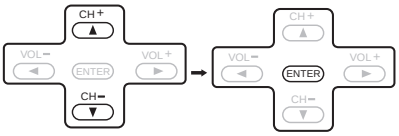
Audio

Rating

3 Press ▲ / ▼ to select the setting you want to change, then press ENTER.



4 Change the selection by ▲ / ▼ buttons, by referring to the corresponding pages, then press ENTER.



5 Repeat steps 3 and 4 to change other settings.

To select another operation, press ▲ several times to go back to step 2.

6 Press SETUP.

SET UP

The on-screen display disappears.

■ **To return to the previous display**

Press **RETURN.**

RETURN

Notes

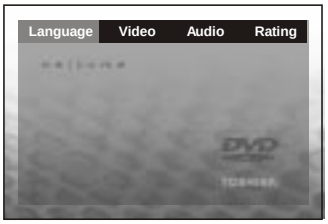
- To quit the procedure, press **SETUP** button to turn off the on-screen display.
- **SETUP** button is prohibited when the player is reading a JPEG disc or a folder list is displayed. **SETUP** button can only be accessed in tray opened position.

	Setting		Detail	Page
Language	**OSD Menu**	DVD VCD CD	**To select a preferred language for on-screen displays.**	**40**
	Subtitle	DVD	**To select a preferred language for subtitles.**	**40**
	Audio	DVD	**To select a preferred language for the sound track.**	**41**
	DVD Menu	DVD	**To select a preferred language for disc menus.**	**41**
Video	**TV Shape**	DVD	**To select a picture size according to the aspect ratio of your TV.**	**42**
	TV System	DVD VCD CD	**To select the video system of a disc.**	**42**
	Video Output	DVD VCD CD	**To select whether you send CVBS or YUV signals to the connected TV or not.**	**42**
Audio	**Digital Out**	DVD VCD CD	**To select an output sound format corresponding to your system connection.**	**43**
	Virtual Effect	DVD VCD CD	**To obtain expansive virtual surround sound effects from just two speakers.**	**43**
Rating	**Password/Rating**	DVD	**To create a personal security code. Turn the parental lock function on or off.**	**44**
	Load Factory	DVD VCD CD	**To return the initial settings such as Language, Video, Audio and etc. to the factory default.**	**44**

Customizing the Function Settings (continued)

Setting details

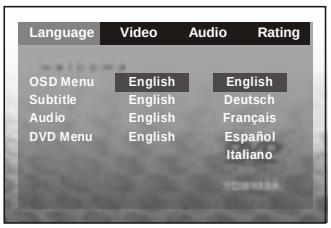
Language



OSD Menu (DVD) (VCD) (CD)

To select a preferred language for on-screen displays.

English: To view on-screen displays in English.
Deutsch: To view on-screen displays in German.
Français: To view on-screen displays in French.
Español: To view on-screen displays in Spanish.
Italiano: To view on-screen displays in Italian.

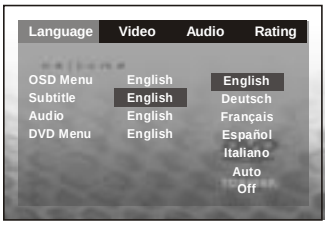


Note
Some DVD video discs may not include your pre-selected language. In this case, the DVD video player automatically displays disc menus consistent with the disc's initial language setting.

Subtitle (DVD)

To select a preferred language for subtitles.

English: To display subtitles in English.
Deutsch: To display subtitles in German.
Français: To display subtitles in French.
Español: To display subtitles in Spanish.
Italiano: To display subtitles in Italian.
Auto: To display subtitles in different language than you selected.
Off: To disable subtitles.

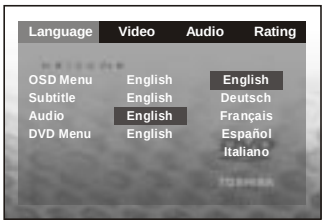


Notes
- Some DVD video discs may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.
- Some DVD video discs allow you to change subtitle selections only via the disc menu. If this is the case, press **MENU** button and choose the appropriate subtitle language from the selection on the disc menu.

Audio DVD

To select a preferred language for the sound track.

English: To view on-screen displays in English.
Deutsch: To view on-screen displays in German.
Français: To view on-screen displays in French.
Español: To view on-screen displays in Spanish.
Italiano: To view on-screen displays in Italian.

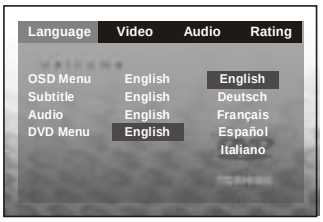


Note
Some DVD video discs may be played in a different language than you selected. A prior language may be programmed on the disc.

DVD Menu DVD

To select a preferred language for disc menus.

English: To view on-screen displays in English.
Deutsch: To view on-screen displays in German.
Français: To view on-screen displays in French.
Español: To view on-screen displays in Spanish.
Italiano: To view on-screen displays in Italian.

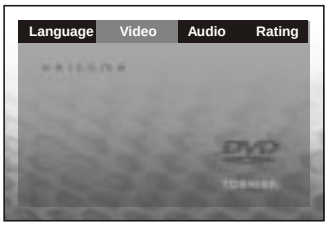


Note
Some DVD video discs may be include your pre-selected language. In this case, the DVD video player automatically displays disc menus consistent with the disc's initial language setting.

Customizing the Function Settings (continued)

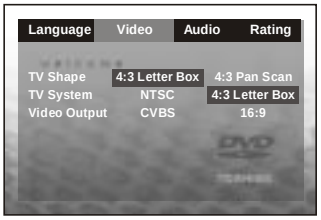
Setting details

Video

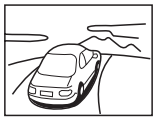


TV Shape (DVD) (VCD)

To select a picture size according to the aspect ratio of your TV.



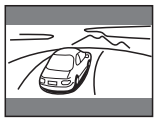
4:3 Pan Scan:



Select when a standard 4:3 TV is connected.

Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.

4:3 Letterbox:



Select when a standard 4:3 TV is connected.

Displays theatrical images with masking bars above and below the picture.

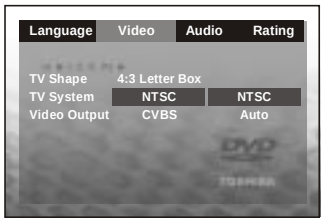
16:9 Widescreen: Select when a 16:9 wide TV is connected.

Notes

- The displayable picture size is preset on the DVD video disc. Therefore, the playback picture of some DVD video discs may not conform to the picture size you select.
- When you play DVD video discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select "16:9 Widescreen" and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Always be sure that your TV shape conforms to the actual TV in use.

TV System (DVD) (VCD) (CD)

To select the video system of a disc.

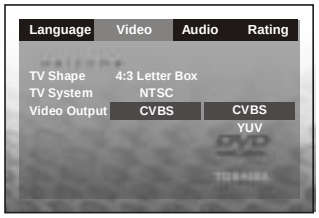


NTSC: To play a NTSC disc. Connect a NTSC TV to view a picture.

Auto: The DVD video player automatically identifies PAL or NTSC video system of a disc. Connect a multisystem TV (PAL/NTSC compatible) to view a picture.
A playback picture may be distorted when detected a signal change between PAL and NTSC on the disc.
For the case of Progressive mode, your multisystem TV must be able to support 525p and 625p.

Video Output (DVD) (VCD) (CD)

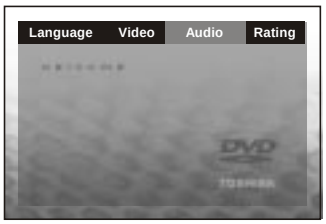
To select whether you send CVBS or YUV signals to the connected TV or not.



CVBS: Corresponding to your TV which has a video (yellow) or S-video input. 14

YUV: Corresponding to your TV which has a YUV (component video) inputs. S-Video will not have video signal if YUV have been selected instead of CVBS. 15
Progressive mode can only be on when YUV is selected.

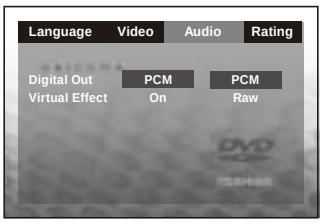
Audio



Digital Out (DVD) (VCD) (CD)

Select the output sound format corresponding to your system connection.

For details of sound recording systems. See 31.



PCM: Select when connected to a 2 channel digital stereo amplifier.
The DVD video player outputs sounds in the PCM 2 ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1 or MPEG2 recording system.

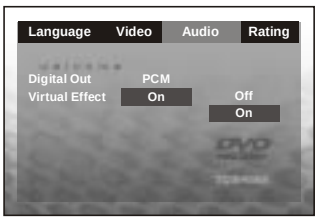
Raw: Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 or MPEG2 decoder. The DVD video player outputs digital audio information in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 or MPEG2 recording system.

Note

When you make a connection to a TV, or Dolby Surround Pro Logic or stereo system via the analog audio jacks, select “PCM” or “Raw”.

Virtual Effect (DVD) (VCD) (CD)

To obtain expansive virtual surround sound effects from just two speakers.



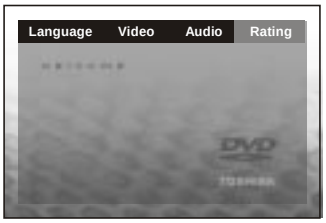
Off: Turn off virtual surround sound effects.

On: To obtain expansive virtual surround sound effects from two speakers (ANALOG AUDIO OUT jacks). Be sure to set “Digital Out” to “PCM”.

Customizing the Function Settings (continued)

Setting details

Rating

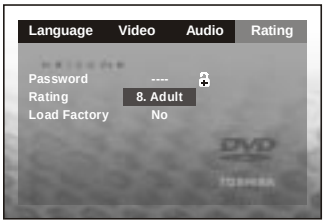


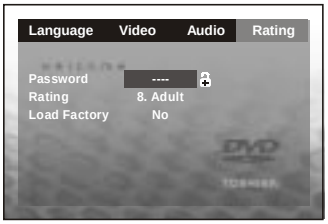
Password / Rating (DVD)

DVD discs equipped with the password function are rated according to their content. The contents allowed by a parental lock level and the way a DVD disc can be controlled may vary from disc to disc.

For example, if the disc allowed, you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or you could lock out playback of the disc altogether.

- DVD video discs may or may not respond to the parental lock settings. This is not a defect in the DVD video player. Make sure this function works with your DVD video discs.





The parental lock level is equivalent to the following ratings:

Level 1 :	Kid Safe
Level 2 :	G
Level 3 :	PG
Level 4 :	PG_13
Level 5 :	PG_R
Level 6 :	R
Level 7 :	NC_17
Level 8 :	Adult (parental lock is not active)

Indicates Parental lock is NOT active.

The Parental lock is active.

If you forget the password, you can erase your current password by pressing number button 8 on the remote four times, then press ENTER button to confirm the setting.

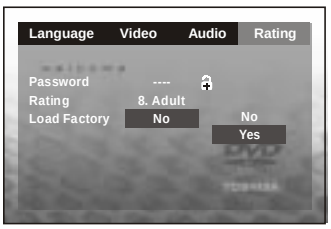
PASSWORD : 8888

Notes

- If you make a mistake before pressing **ENTER** button, press **CLEAR** button and enter your 4-digit security code again.
- You cannot play DVD discs rated higher than the level you selected unless you cancel the parental lock function.

Load factory (DVD) (VCD) (CD)

If you want to return the initial settings such as Language, Video, Audio and etc. to the factory default, following the "SETTING PROCEDURE" 38.



Note

When you reset the DVD video player to the factory default, the DVD video player will take 3-5 seconds to reset.

Table of Languages

Table of languages and their abbreviations

Abbreviation	Language
---	No alternate language
CHI (ZH)	Chinese
DUT (NL)	Dutch
ENG (EN)	English
FRE (FR)	French
GER (DE)	German
ITA (IT)	Italian
JPN (JA)	Japanese
KOR (KO)	Korean
MAY (MS)	Malay
SPA (ES)	Spanish
A A	Afar
A B	Abkhazian
A F	Afrikaans
A M	Amharic
A R	Arabic
A S	Assamese
A Y	Aymara
A Z	Azerbaijani
B A	Bashkir
B E	Belorussian
B G	Bulgarian
B H	Bihari
B I	Bislama
B N	Bengali, Bangla
B O	Tibetan
B R	Breton
C A	Catalan
C O	Corsican
C S	Czech
C Y	Welsh
D A	Danish
D Z	Bhutani
E L	Greek
E O	Esperanto
E T	Estonian
E U	Basque
F A	Persian
F I	Finnish
F J	Fiji
F O	Faroese
F Y	Frisian
G A	Irish
G D	Scottish Gaelic
G L	Galician

Abbreviation	Language
G N	Guarani
G U	Gujarati
H A	Hausa
H I	Hindi
H R	Croatian
H U	Hungarian
H Y	Armenian
I A	Interlingua
I E	Interlingue
I K	Inupiak
I N	Indonesian
I S	Icelandic
I W	Hebrew
J I	Yiddish
J W	Javanese
K A	Georigian
K K	Kazakh
K L	Greenlandic
K M	Cambodian
K N	Kannada
K S	Kashmiri
K U	Kurdish
K Y	Kirghiz
L A	Latin
L N	Lingala
L O	Laotian
L T	Lithuanian
L V	Latvian, Lettish
M G	Malagasy
M I	Maori
M K	Macedonian
M L	Malayalam
M N	Mongolian
M O	Moldavian
M R	Marathi
M T	Maltese
M Y	Burmese
N A	Nauru
N E	Nepali
N O	Norwegian
O C	Occitan
O M	(Afan) Oromo
O R	Oriya
P A	Panjabi
P L	Polish
P S	Pashto, Pushto

Abbreviation	Language
P T	Portuguese
Q U	Quechua
R M	Rhaeto-Romance
R N	Kirundi
R O	Rumanian
R U	Russian
R W	Kinyarwanda
S A	Sanskrit
S D	Sindhi
S G	Sango
S H	Serbo-Croatian
S I	Singhalese
S K	Slovak
S L	Slovenian
S M	Samoan
S N	Shona
S O	Somali
S Q	Albanian
S R	Serbian
S S	Siswati
S T	Sesotho
S U	Sundanese
S V	Swedish
S W	Swahili
T A	Tamil
T E	Telugu
T G	Tajik
T H	Thai
T I	Tigrinya
T K	Turkmen
T L	Tagalog
T N	Setswana
T O	Tongan
T R	Turkish
T S	Tsonga
T T	Tatar
T W	Twi
U K	Ukrainian
U R	Urdu
U Z	Uzbek
V I	Vietnamese
V O	Volapük
W O	Wolof
X H	Zhosa
Y O	Yoruba
Z U	Zulu

Operating a TV with the Remote Control

You can operate the basic functions of selected TVs using the supplied remote control

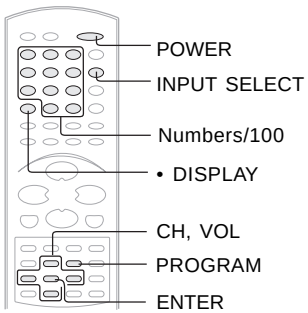
Operating a TV with the remote control

Preparation

Follow the instruction of “To program the remote control” to set the brand code.

Point the remote control at your TV, and use buttons as follows.

POWER	To turn the TV on or off.
INPUT SELECT	To select external source such as a VCR.
NUMBER buttons	To select TV channel. When selecting channels 1 to 9, first enter 0 and then the desired number.
100	To substitute for 100 channel key.
• DISPLAY	To turn on or off TV’s screen display.
VOL + / -	To adjust the volume.
CH +/ -	To select a channel.
ENTER	To use for the TV’s ENTER key.



■ To program the remote control

1 Press **TV** to select TV mode.

2 While holding down **PROGRAM** enter the two digits of your TV’s brand code (listed on page 47) using **Number** buttons.

e.g. To program brand code 01.

Note

When using the remote control, press the buttons at intervals of about 1 second to ensure the correct mode of operation.

3 Release **PROGRAM**.

The DVD remote control memorizes the selected TV brand code.

Notes

- The remote control is programmed at the factory to operate TOSHIBA TVs.
- A single brand may use different codes depending on the particular model. Enter the correct number referring to the brand code table.
- For some brands, several brand codes are provided. Try each of them until the remote control operates your TV.
- Some TVs may not respond to all of the functions in the table above, or may not be operated at all with this remote control.
- If you replace the remote control’s batteries, remember to reprogram the brand codes for TV.
- Press DVD back if DVD operation is required.

■ Brand code table

Brand Name	Brand Code
TOSHIBA	01
BELL & HOWELL	09
CARVER	10
CELEBRITY	03
CITIZEN	12
CURTIS MATHES	09 12
DUMONT	14
ELECTRO BRAND	03
EMERSON	09 11
FISHER	09
GE	02 07 11
GIBRALTER	14
GOLDSTAR	11
HALLMARK	11
HITACHI	06
INFINITY	10
JBL	10
JCB	03
JVC	05
LXI	01 02 09 10 11
MAGNAVOX	10
MARANTZ	10
MEGATRON	06 11
MEMOREX	04 09 11
MGA	04 11
MIDLAND	02 07 14
MITSUBISHI	04 11
MOTOROLA	08
MTC	12
NAD	01 11
NIKKO	11
OPTIMUS	09
OPTONICA	08
PANASONIC	07 10 15
PENNEY	01 02 07 11 12
PHILCO	10
PHILIPS	10
PIONEER	16
PRINCECLUB	12
PRISM	07
PROSCAN	02
PROTON	11
PULSAR	14
QUASAR	07 15
RADIO SHACK	13
RCA	02
REALISTIC	09 11 13
RUNCO (NEC)	14
SAMSUNG	11 12
SANYO	09
SCOTCH	11
SCOTT	11
SEARS	01 02 09 10 11
SHARP	08 13
SONY	03
SOUNDESIGN	11
SUPREME	03
SYLVANIA	10
TANDY	08
TECHNICS	07 15
TECHWOOD	07
TEKNIKA	04 10 12
TMK	11
VICTOR	05
VIDIKRON	10
VIDTECH	11
WARDS	10 11 13
ZENITH	14

Before Calling Service Personnel

Check the following guide for the possible cause of a problem before contacting service.

Symptoms and correction

Symptom	Cause	Correction	Page
No power.	• The power plug is disconnected.	• Connect the power plug securely into the wall outlet.	14
The DVD video player turned off by itself.	• The automatic power off function turned the unit off.	• Press the PLAY button.	21
No picture or abnormal color (pinkish, greenish, etc.).	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the DVD video player appears on the TV screen.	20
	• The video cable is not connected securely.	• Connect the video cable securely into the appropriate jacks.	14, 15
	• Mismatch setting between TV and this player.	• Select the correct Video Output setting.	42
	• Wrong connection.	• Check the connection.	14, 15
Scrolling, jumping or B/W picture.	• Incompatible TV system.	• Select the correct TV system.	42
No sound.	• The equipment connected with the audio cable is not set to receive DVD signal output.	• Select the correct input mode of the audio receiver so you can listen to the sound from the DVD video player.	20
	• The audio cable is not connected securely.	• Connect the audio cable securely into the appropriate jacks.	14-19
	• The audio receiver or TV is turned off.	• Turn on the equipment connected with the audio cable.	20
	• The setting of output sound format is incorrect.	• Select the proper audio setting.	31, 38 43
The playback picture has occasional distortion.	• The disc is dirty.	• Eject the disc and clean it.	7
	• It is in fast forward or fast reverse playback.	• Sometimes a small amount of picture distortion may appear. This is not a malfunction.	-
Brightness is unstable or noises are present in the playback pictures.	• The effect of copy protection.	• Connect the DVD video player directly of the TV. Avoid connecting the DVD video player to a VCR or TV/VCR combination.	14
The DVD video player does not start playback.	• No disc is inserted.	• Insert a disc.	20
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type and color system.)	8
	• The disc is placed upside down.	• Place the disc with the playback side down.	20
	• The disc is not placed within the guide.	• Place the disc correctly inside the guide on the disc tray.	20
	• The disc is dirty.	• Clean the disc.	7
	• The parental lock function is set.	• Cancel the parental lock function or change the parental lock level.	38, 44
Playback does not follow the course of the disc's program.	• It is in the mode of repeat playback, memory playback, etc.	• These operations may prevent a proper progress of the contents.	-
Buttons do not work.	• Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operations.	• Press and hold ON/STANDBY button on the front panel for more than about 3 seconds. The DVD video player turns off. Press the button again to turn it on. If the buttons still do not work, disconnect the power plug and insert it into the wall outlet again.	-
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the DVD video player.	• Point the remote control at the remote sensor of the DVD video player.	13
	• The remote control is too far from the DVD video player.	• Operate the remote control within about 7 m.	13
	• The batteries in the remote control are exhausted.	• Replace the batteries with new ones.	13

Specifications

DVD video player / outputs / supplied accessories

DVD video player

Power supply	120 V AC, 60 Hz
Power consumption	13W
Mass	3.86 kg
External dimensions	428 X 76 X 437 mm (W/H/D)
Signal system	Standard NTSC
Laser	Semiconductor laser, wavelength 650/780 nm
Frequency range	DVD linear sound : 48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz
Signal-to-noise ratio	More than 100 dB
Audio dynamic range	More than 93 dB
Harmonic distortion	Less than 0.005 %
Wow and flutter	Below measurable level (less than ±0.001 % (W.PEAK))
Operating conditions	Temperature: 5 °C to 35 °C, Operation status: Horizontal

Outputs

Video output	1.0 V (p-p), 75 Ω, negative sync., pin jack x 1
S video output	(Y) 1.0 V (p-p), 75 Ω, negative sync., Mini DIN 4-pin x 1 (C) 0.286 V (p-p), 75 Ω
Component video output	(Y) 1.0 V (p-p), 75 Ω, negative sync., pin jack x 1 (P_B) (P_R) 0.7 V (p-p), 75 Ω, pin jack x 2
COAXIAL Digital Audio Out	0.5 V (p-p), 75 Ω, pin jack x 1
Audio output (ANALOG)	2.0 V (rms), 680 Ω, pin jacks (L, R) x 1

Outputs

Audio/video cable 1
Remote control (SE-R0131) 1
Batteries (AAA) 2

• Designs and specifications are subject to change without notice.

Limited United States Warranty
DVD Players - Exchange Warranty

Toshiba America Consumer Products, L.L.C. ("TACP") makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS DVD PLAYER AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE

PRODUCTS PURCHASED IN THE U.S.A. AND USED IN CANADA ARE NOT COVERED BY THESE WARRANTIES

PRODUCTS PURCHASED IN CANADA AND USED IN THE U.S.A. ARE NOT COVERED BY THESE WARRANTIES.

Limited Ninety (90) Day Warranty

TACP warrant this DVD PLAYER and its parts against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. DURING THE FIRST 90 DAYS FROM THE PURCHASE DATE, TACP WILL EXCHANGE A DEFECTIVE DVD PLAYER WITH A NEW OR REFURBISHED PLAYER WITHOUT CHARGE TO YOU. YOU MUST CONTACT TOSHIBA'S CONSUMER SOLUTIONS CENTER FOR INSTRUCTIONS ON HOW TO PROCESS YOUR IN WARRANTY EXCHANGE REQUEST. THE CONSUMER IS RESPONSIBLE FOR ALL INBOUND TRANSPORTATION AND INSURANCE CHARGES FOR THE DVD PLAYER TO THE EXCHANGE CENTER. DURING THE PERIOD FROM 91 DAYS AND BEYOND, FROM THE PURCHASE DATE, TACP WILL EXCHANGE A DEFECTIVE DVD PLAYER WITH A NEW OR REFURBISHED PLAYER FOR A NOMINAL FEE. YOU MUST CONTACT TOSHIBA'S CONSUMER SOLUTIONS CENTER FOR INSTRUCTIONS ON HOW TO PROCESS YOUR EXCHANGE REQUEST. THE CONSUMER IS RESPONSIBLE FOR ALL INBOUND TRANSPORTATION AND INSURANCE CHARGES FOR THE DVD PLAYER TO THE EXCHANGE CENTER.

*Rental Units

The warranty for rental units begins with the first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

*Commercial Units

DVD PLAYERs sold and used for commercial purposes have a limited ninety (90) day warranty for all parts, labor.

Owner's Manual and Demographic Card

You should read this owner's manual thoroughly before operating this DVD PLAYER. You should complete and mail the enclosed Demographic card within ten days after you, or the person who has given you this product as a gift, purchased this DVD PLAYER. This is one way to enable TACP to provide you with better customer service and improved products. Failure to return the Demographic card will not affect your rights under this warranty.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.

(2) All warranty servicing of this DVD PLAYER must be made by an Authorized TACP Service Station.

(3) The warranties from TACP are effective only if the DVD PLAYER is purchased and operated in the U.S.A. or Puerto Rico.

(4) Labor service charges for set installation, set up, adjustment of customer controls and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.

(5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any DVD PLAYER or parts which have been lost or discarded by you or to damage to DVD PLAYER or parts caused by misuse, accident, Acts of God, such as lightning or fluctuations in electric power, improper installation, improper maintenance or use in violation of instructions furnished by TACP; or to units which have been modified or had the serial number removed, altered, defaced or rendered illegible.

How to Obtain Warranty Services
If, after following all of the operating instructions in this manual and checking the section "Before Calling Service Personnel", you find that service is needed:

(1) For instructions on how to obtain warranty service for exchange program DVD Players, contact TACP'S toll free Call Center at 1-866-583-7353.

(2) Include your bill of sale or other proof of purchase along with the DVD player, when sending it to the Authorized TACP Service Station SPECIFIED by TACPs Call Center. You must pay for all transportation and insurance charges for the DVD Product to and from the Service Station.

For additional information, visit TACP's web site:
www.tacp.toshiba.com

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No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever. The time within which action must be commenced to enforce any obligation of TACP arising under this warranty or under any law of the United States or of any state thereof is hereby limited to 90 days from the date you discovered or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any state of the U.S.A.

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TOSHIBA

- IMPORTANT -

CANADIAN WARRANTY INFORMATION
GARANTIE CANADIENNE

STANDARD WARRANTY		GARANTIE NORMALE	
TYPE OF SET	DVD Player DVD/VCR Combination Home Theatre in a Box DVD Recorder Portable DVD	TYPE D'APPAREIL	Lecteur DVD DVD/magnétoscope combo Cinéma maison dans une boîte Enregistreur DVD DVD Portatif
WARRANTY PERIOD	12 MONTHS	DURÉE DE LA GARANTIE:	12 MOIS

CANADIAN WARRANTY

Toshiba of Canada Limited (TCL) makes the following limited warranties to original consumers in Canada. Please retain your "Bill of Sale" as proof of purchase. **To obtain a "Canadian Warranty" please register online at www.toshiba.ca.**

GARANTIE CANADIENNE

1) Toshiba du Canada Limit e (TLC) of fre au Canada les garanties limit es suivantes aux consommateurs origin-aux. Veuillez conserver votre < facture > comme preuve d'achat. **Pour obtenir une garantie canadienne, veuillez vous inscrire en ligne à www.toshiba.ca.**

Canadian Warranty Information

Should service be required on this unit during the one year warranty period, TCL's option will be to repair or exchange the defective unit. It will be necessary to follow this procedure:

Contact: Toshiba of Canada Limited at the Consumer Electronics Group, customer support line.
Phone: 1-800-268-3404
Email: ceg_customer_support@toshiba.ca

All in-warranty repairs must be made by an authorized TCL service centre.

For service exchange TCL will arrange to have the unit picked up by courier and a replacement unit will be returned via same courier. (Note: A major credit card number will be required as a charge of $25.00 will apply if no fault is found with the unit.) During the first 3 months of ownership, a new unit will be supplied as a replacement. During the remainder of the warranty period a service-renewed unit will be supplied.

The original "Bill of Sale" must be provided as proof of purchase (it will be returned with the replacement unit.)

This 12-month warranty will be strictly adhered to.

Out of warranty units should be repaired by a TCL authorized service centre.

Note: It is the responsibility of the owner to ensure proper packaging. Should damage in shipping occur, due to poor packaging, a charge back for the repair will result. This warranty applies to the original purchaser only and is not transferable.

This warranty does not apply to sets that have been subjected to misuse, neglect, accident, physical damage or acts of nature.

Sets with the serial number removed, altered, replaced or defaced will not be covered by this warranty.

The warranties from TCL are effective only if the product is purchased in Canada from an authorized TCL dealer and operated in Canada.

Products utilized for rental or commercial purposes are not covered by this warranty.

This warranty is in lieu of all other warranties, guaranties or agreements, whether expressed or implied, and no person, agent distributor, dealer, service centre or company is author-ized to change, modify or extend its terms in any manner whatsoever.

Information sur la garantie Canadienne

Si vous avez besoin de service sur cet appareil au cours le l'année de garantie, Toshiba du Canada Limitée aura l'op tion de réparer ou échanger l'appareil d féctueux. Vous devrez suivre la procédure suivante:

Contact: Toshiba du Canada Limitée au Groupe Électronique aux consommateurs, service à la clientèle.
Tél: 1-800-268-3404
Courriel: ceg_customer_support@toshiba.ca

Toutes les réparations au cours de la garantie doivent être faites par un centre de service autorisé Toshiba.

Pour un échange TCL s'assurera qu'un service de courrier ramassera l'unité et qu'un appareil de remplacement soit expédié par le même service de courrier

(Note: Un numéro de carte de crédit sera requis car une charge de 25,00$ sera appliquée si toutefois l'appareil n'avait aucun problème de fonctionnement.)

Une nouvelle unité sera fournie comme remplacement durant les premiers 3 mois de propriété. Par contre durant la balance de la garantie une unité remise à neuf sera fournie.

La <facture> originale doit être fournie comme preuve d'achat (elle vous sera retournée avec l'unit de remplacement.)

Cette garantie de 12 mois sera strictement adhérée.

Les unités hors de garantie devraient être réparées par un centre de service autorisé Toshiba.

Note: C'est la responsabilité du propriétaire de s'assurer que l'emballage est adéquat. Vous serez facturé pour toutes réparations causées par des dommages encourus à cause d'un emballage non adéquat.

Cette garantie est octroyée à l'acheteur initial et n'est pas transférable. Cette garantie ne s'aplique pas aux appareils qui ont été sujets aux abus, négligences, accidents, dommages physiques ou actes naturels.

Les appareils dont le numéro de série a été enlevé, altété, remplacé ou barbouillé ne sont pas couverts par cette garantie.

Les garanties de TCL sont valides seulement sur les unités sont achetées et utilisées au Canada d'un marchand autorisé TCL.

Cette garantie ne couvre pas les produits de location ou à usage commercial. Cette garantie remplace toutes autres garanties ou ententes exprimées ou sous-entendues. Aucune personne, agent, distributeur , concessionaire ou compagnie n'est autorisé à changer, modifier ou prolonger les termes de cette garantie de quelque façon que ce soit.

Toshiba of Canada Limited 191 McNabb Street Markham, Ontario L3R 8H2

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